REPORT TO: PHOE!

PHOENIX GOODYEAR

CH2M HILL/PHX

W63600.FL

ATTENTION:

PETER MOCK

SAMPLE DESCRIPTION: WATER-LORAL WELL #4

DATE OF SAMPLE: SEE BELOW

REFERENCE NUMBER: E19181

PAGE 1 OF 1

DATE: 2-15-88

PHONE:

SAMPLED BY: P. MOCK

DATE RECEIVED: 1-28-88

TEST METHODS: EPA-601-8010

CONSTITUENT	1 480 MINS	2 1770 MINS	3 3034 MINS
Chloromethane	<1.0	<1.0	<1.0
Bromomethane	<0.5	<0.5	<0.5
Dichlorodifluoromethane	<0.5	<0.5	<0.5
Vinyl chloride	<0.5	<0.5	<0.5
Chloroethane	<0.5	<0.5	<0.5
Methylene chloride	<5.0	<5.0	<5.0
Trichlorofluoromethane	<0.5		<0.5
1,1-Dichloroethene	<0.5	<0.5	<0.5
1,1-Dichlorgethane	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5
Chloroform	<0.5	<0.5	<0.5
1,2-Dichloroethane	<0.5	40.5	<0.5
1,1,1-Trichloroethane	<0.5	<0.5	<0.5
Carbon Tetrachloride	<0.5	<0.5	<0.5
Bromodichloromethane	<0.5	<0.5	<0.5
1,2-Dichloropropane	<0.5	<0.5	, < 0. 5
cis-1,3-Dichlaropropene	<0.5	<0.5	<0.5
Trichloroethene	12	10	7.5
Dibromochloromethane	<0.5	<0.5	(0.5
1,1,2-Trichloroethane	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5
Bromoform	<0.5	<0.5	⟨0,5
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5
Tetrachloroethene	<0.5	<0.5	<0.5
Chlorobenzene	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	<0.5	<0.5	<0.5

COMMENTS: Results in micrograms per liter

2-Chloroethylvinyl ether not analyzed

The information shown on this sheet is test data only and no analysis or interpretation is intended or implied.

ANGI VST.

APPROVED BY

Mawley

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СКМНІЦ (CHAIN	OF CL	JST (OD'	Y RECORD			シャ							£19181
PROJECT NUMBER W63600	.FL	PROJEC	T N	AME	- Goodyea- A	i-fort		のない							
LABORAT	ORY				HILL		OF NERS								
STA, NO.	DATE	TIME	COMP	GRÁB	SAMPLE IDENTIFICA	ATION	NUMBER OF CONTAINERS	40ml							REMARKS
1	1/25	17:30		V	LURAL Well #4	450 mins		2							15 Day of Agrifu Test 2-Day of Agrifu Test 3- Day of Agrifu Test
2	1/26	15:00		1	LUPAL WEILT	1770 MINS		4							2" Day at Project Tast
3	4 5	12:04		1000000	WEAR WELLA			Z							3 - payor Agusta Test
															\mathcal{G}
								The second							
															Samples rec in good
	4							A.							shie ice not melted
															blue we not molted
	1														seal on chart untrote
				- 3											hone on bottles
			2												
		Yakan Ngan													
						The state of the s	1956 - 195			Private Section 1988					
						- VAIII									
		Parada (A)	<u>42-00-17-1</u> 1. (1) (1) (1) 1. (2) (1) (1)	1.71										X	
	le	9.7	W	nci	h fydiogeop	11st 1/2		:04	Pet	L	<i>a</i> .	W	nl		DATE/TIME RECEIVED BY: (SIGNATURE)
RELINQU	SHED B	Y: (SIGI	VAT	URE)	DÁTE/TIME RECEIVE	DBY: (SIGNATU	IRE)	h	RELINC	UISHE	D BY	: (SIGI	VATUE	(E)	DATE/TIME RECEIVED BY LAB: (SIGNATURE)

REMARKS

RELINQUISHED BY: (SIGNATURE)

SAMPLE SHIPPED VIA □ups □ Bus ☑ FEDERAL EXPRESS AIR BUS BILL NUMBER 7270128574

PROJECT NAME UMBER WHSLOO.FL Phoenix-Goodyea-Airport ABORATORY RPD -CH2M HILL					SER OF	or Ens L VOA Vials									
A. NO.	DATE	TIME	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER	40,								REMARKS
1		17:30			LORAL Well #4 480 mins		2								2 Day of Agrifa Test 2 Day of Agrifa Test
2	1/26	15:00		1	LORAL WELL # 1770 Migs		2								2 Day of Nyroge (-s)
3_	1/21	12:04		V	LOPALWell#4 3034mins		Z_								5 - Day of Agusta 145
3.0											474				
											-/				
					당하시하다 시하지 않는 시간을 보다 보다.						2				
				270, 4							3 (1)				
	4														
			0485. 717												
									in Laye.						
			144									83			
<u> </u>															

Tellu a. Moch Hydrogeologist 1/27 12:04 Hellu a. Wall 127 5:23 Towal Huster

RELINQUISHED BY: (SIGNATURE) DATE/TIME RECEIVED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE) DATE/TIME RECEIVED BY LAB: (SIGNATURE)

REMARKS Method 661 VOA's Standard Fackage SAMPLE SHIPPED VIA 1 BUS BILL NUMBER 1270128574

LORAL #4
Pumped well
Pg.

State APIZON Personnel		awdown 2. Singl	Driller_L	-0 PAZ #4	Pumpin	1 Fest
Test type: I. Sin	igle well dr	awdown 2. Singl	e well recover	ry 3. Drawdown	with dbs. w	rell
		l 5. Other (spec Well diameter		diameter	2_	
Casing type		Type of scree	en or perfora	tion		
Interval of scree	on or nerto	ration	의해 즐겁는 이 골길 크게.	0	9 4	
Altitude of land	TT. Aquite		Aquifer lith	ology		
Measuring point	ibove			Woff at	-9:30:5	on Canaly
그는 일이 살았다. 그 사람이 함께		WITGE SISVETION_		(t = 1/4 (5 - 1-1-1)		evacing
Altitude measuring						
Static water leve	TIME	DEPTH TO	THE CHICE	How measur	00	
	l ime	MATER LEVEL	TIME SINCE PUMP ON	TIME SINCE	r2/1	S, FT.
			t, MIN.	1 ¹ , MIN.	(DAYS)	RECOVER
128/88		73.51	4321.5	1.5		
u N		45-1.87	4322	2		
		65-2.65	4323	3		
		65-2.88	4324	4		
u		60+1.59	4325.5	515		
"		60 t1.33	4326.5	6.5		
		40+1.10	4327.5	7.5		
		60+ .91	. 4328.5	8.5		
		60 + . 71	4329.5	9.5		
		664.58	4330	10.0		
. ,		60+.45	4331	1/		
N.		40+.32	4332	12		
"		40+.26	4333	13		
•		60 +.15	4334	14		
,		604.04	4335	15		
		6008	4336	16		
		6028	4337	17		
4		6033	4338	18		
"		4035	4339	19		
41		6646	4340.5	20.5		
11		40-,57	4341	21		

4

	County_	AQUI	FER TEST D	ATA R. E. W.	Sec. WELL	. NO.
4. Recovery wi	th obs. well	awdown 2. Singl I 5. Other (spec Well diameter	ify)	ry 3. Drawdow		
Casing type		Type of scree	en or perfora	tion		
Pump depthAltitude of land	ft. Aquife surface		Aquifer lith How deter	ology		
Altitude measuri	ing point	The second secon		How measi	rod	
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.	TIME SINCE PUMP OFF t ¹ , MIN.	r²/ _† (DAYS)	S, FT. RECOVERY
1/20/08		60-64	4342	22		
		60-,79	4343	23		
		60-,79	4344	24		
V		6083	4345	25		
ic.		60-1.00	4346	26		
U				77		
		60 -1.00	4348	28		4351
Maria de la companya		40-1.08	. 4349	24	60-1.08-31 mi	435
		60-1.06	4350	30	60-1.23 -33m	in
1.0		60-1,28	4355	35		
		60-1.69	4360	40	10:10	
		60-1.70	4365	45	10115	
<u> </u>		60-2.30	4370	50	10:20	
<i>1</i>		60-2.30	4375	535	10:25	
11		60-2,13	4380	40	10:30	
		60-2.28	4385	65	10135	
.		40-2.53	4390	70	10:40	
		55 4 2.44	4345	75	10:45	
• • • • • • • • • • • • • • • • • • • •		55 + 2.Al	4400	80	10:50	
		- u - u	1 4 1	2-	10 - 100	
Tree land		55 + z.10 55 + z.08	4405	90	10:53	

(4) Recovery wi		<u> </u>	N. , F	ATA LE., s	ecWELL	NO
Test type: I. Si			Driller		기에 제작물리기 (H.J.) 현기 10년 기상 제가 10년 1일	
	ngle well dr	awdown 2. Single			n with obs. we	
TATAL WALL MANT		l 5. Other (speci	and the second of the second o	and the second of the second of the second of the second		
		Well diameter Type of scree	The state of the s	and the second s	THE RESERVE TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN C	
Interval of scre	en or perfo	ration		Pump hp.	B type	
Pump depth	ft. Aquife		_Aquifer lith	ology		
		고 아이들이 남자 사람이 있다. 아이들이 살아 아이들이 하나 날		mined		
Measuring point	above land s	surface elevation_				•
Altitude measur	ing point					
Static water lev	el from med	usuring point		How measu	red_	
DATE	TIME	DEPTH TO	TIME SINCE	TIME SINCE		S, FT.
		WATER LEVEL	PUMP ON t, MIN.	PUMP OFF	(DAYS)	RECOVER
128/88		112		100 103		
120/00		55 ±1.93	4423	110 103	11-1011:13 11:21	
•			9-2-7			
		55+1.72	V. L. A. T	130	11:30	
**		55 + 1.55			11:40	
		55 + 1.34		140	10:50	
		55 + 1.24	4470	150	12:00	
			4490	140	12:20	
N		55 + l, z	4500	180	12:30	
		55+1.13	4510	190	12:40	
		55 + 1.0Z	4520	200	12:50	
		55 +0.98	4530	210	1:00	
. 1		55+0.98		220	1:10	
Ai		55+0.79	4550	230	1:20	
n .		55 + 0.18	4560	240	1:30	
11		55 +0.66	4590	270	2:00	
		35 + 0.5B	4620	300	2:30	•
		55+037	4650	330	3:00	
1		55 + 0.34	4680	340	3:50	
		55+0.24	4710.	390	4:00	

Purped Well

Personnel Test type: I. Sid 4. Recovery with Total well deptl Casing type Interval of screen Pump depth Altitude of land	ngle well dr ih obs. well hft. \ en or perfo _ft. Aquife surface	awdown 2. Single 5. Other (speci- Well diameter Type of screen ration r	Driller well recove ify) in. Casing on or perford Aquifer lith How deter	ry 3. Drawdow g diameter trion Pump hp. ology	in with obs. v	voll
Altitude measuri	ng point					
Static water leve	of from med	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r ² / _t (DAYS)	S ₁ FT.
1/20/08		55+0.03	4770	450	5:00	ON THE
		55-0.05	4800	480	5:30	
1/		55 -0.16	4830	510	6:00	
ų.		55-0.21	4866	546 546	6:36	
er er				-570	7700-4	
u				422	7:30 pm	
				-13 0		
V				-840		
129/88				960	6 Am	
.				1089	12 Noon	
.a				300	4 Pm	
0				4550		
<u> </u>				1800		
1				2230		
130/88				2820	7 Am	
				3240	4:30 pm	
1				3660		
131/88				4320	9:30 Am	
Date_	4			Project _	Phy. Gdyr.	As port

Personnel JEFF	MORRIS	AMPICOPA Tawdown 2. Singl	Driller_L	OPAL #4	Pumpin	g Fest
		1 5. Other (spec			Willi VV	
Total well dept	lhft. \	Well diameter	in. Casing	and the second s		
Interval of ears	see or certo	Type of screen		Duna ka d		
Pump depth	ft. Aquife		_Aquifer lithe	ology		
				mined		
Megsuring point	above land s	surface elevation				
Altitude measur	ing point	t	= 4320 Kr	204		<u>.</u>
Statie water les	rel from med	suring point <u>e</u>	0930 = 61.3	5 How measur	ed ELECTRI	C SOUNDER
DATE	TIME	DEPTH TO WATER LEVEL		TIME SINCE PUMP OFF t ¹ , MIN.	r²/ ₁ (DAYS)	S ₁ FT. RECOVERY
128/88	0931	61.30	4321			
	0932	61.20	_432Z	2		
	0933	61.03	4323	3		
	0934	60.92	4324	4		
•	0935	60.85	4325	5		
	0936	60.80	4324	6		
•	0937	60.76	4327	7		
y	0938	60.71	. 4328	8		
<i>,</i> , ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	0939	60.62	4329	9		
	0940	60.45	4330	10		
	0941	60.34	4331	"/		
1/	0942	60.20	4332	اح.		
"	0943	60.06	4333	13		
	0944	59.96	4334	14		
)	0945	59.84	4335	15		
	0946	59.73	4336	16		
,	0947	59.64	4337	17		
"	0948	59.53	4338	18		
"	0949	59.46	4-339	19		
"	0950	59.36	4340	20		
"	0951	59.25	4341	21		

total well dep	Single well dr			Na Granda de Santa d		
Total well dep	Single well dr		Uriller			
Total well dep	.146	awdown 2. Singl	le well recove	ery 3 Degwdowe	with obs.	vall .
LOIGI MAIL GAN	rith ods. well	I 5. Other (spec	ify)			
Casing type		well diameter Type of scree	in. Casing	j diameter	_in.	
HITELAGI OL SCL	een or perto	ration		Duma ha d	a a	
Pump depth	ft. Aquife		Aquifer lith	ology		
Altitude of Iano	1 surface		How deter	mined		
Measuring point	above land s	surface elevation				
Altitude measur	and the first of the second of the second					
Static water le	vel from med	suring point		How measur	ed	
DATE	TIME	DEPTH TO	TIME SINCE	TIME SINCE		
		WATER LEVEL		PUMP OFF		S ₁ FT.
120/00	2053		t, MIN.	1 ¹ , MIN.	(DAYS)	RECOVE
120100	0952	59.18	4342	22		
	0953	59.15	4343	23		
W -	0954	59.17	4344	24		
	0955	59.21	4345	25		
	0956	59,26	4346	26		
	0957	59.30	4347	27		
	0958	59.35	434B	28		
	0959	59,35	. 4349	24		
<u>H</u>	1000	59.32	4350	30		
<u>- 10 - 10 14 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15 </u>	1005	58.89	4355	35		
.11	1010	58.55	4360	40		
	1015	58.27	4365	45		
	1020	58.52	4370	50		
1/	1025	58.34	4375	535		
37	1030	58.04	4380	40		
	1035	57.79	4385	65		
,				-	" "	•
	1040	57.56	4390	70		
			White state and a	75		
V	1040	57.74	4395	75		
	1040 1045		White state and a	3 2 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		

Personnel Test type: I. Recovery Total well de Casing type Interval of sc	Single well dr with obs. well pthft.	rawdown 2. Singl I 5. Other (spec Well diameter Type of screen	Driller le well recove lify)in. Casing en or perfora	RE., S	n with obs. v	vell
Pump depth_	ft. Aquife		Aquifer lith	ology		
Altitude of roi	id surtace		How deter	mined		
		surface elevation_				
Altitude measu Static water is		suring point				
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE	How measure TIME SINCE PUMP OFF 1 ¹ , MIN.	red r*/1 (DAYS)	S ₁ FT.
128/88	1110	57.53	4420	100		
	1/20	57.09	4430	110		
	1130	57.00	444D	120		
i i i i i i i i i i i i i i i i i i i	1140	56.97	4450	130		
17	1150	56.61	4460	140		
- 11	1200	56.82	4470	150		
11	1210	56.44	4480	140		
<u> </u>	1220	56.71	4490	170		
11	1230	56.40	4500	180		
	1240	56.48	4510	190		
· u	1250	56.30	4520	200		
	1300	56.00	4530	210		
1.1.1	1310	56.33	4540	220		
	1320	55.94	4550	230		
4	1330	56.00	4560	240		
H	1400	56.05	4590	270		
	1430	55.72	4620	300		
11	1500	55.44	4650	330		
1	1530	55.77	4680	340		
and All and the Artist of the Control of the Contro	1600	55.52	4710	390		
	1000	7777				

Test type: I. S 4 Recovery w Total well dep Casing type Interval of scre Pump depth Altitude of land	Single well de ith obs. well thft. een or perforant fit. Aquife above land a below	rawdown 2. Sing 1 5. Other (spec Well diameterType of scre- pration ir surface elevation	Driller- le well recove ify)in. Casing en or perforeAquifer lithHow deter	LORAL #4 Pry 3. Drawdov g diameter ation	PUMPING 7: vn with obs. v	EST Well
Static water les	rel from med	DEPTH TO		And the second section of the section of t	ired_ <i>ELECTA</i>	RIC SOUNDE
		WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	PUMP OFF	r ^e / _t (DAYS)	S ₁ FT.
1/20/08	1700	55.12	4770	450		
	1730	55.01	4800	480		
	1800	54.92	4830	510		
	1830	54.85	4860	540	11830	
u				570	1900	
				600	430	
				720	2130	
V				840	32330	
129/88				940	9130	
, V					0 0330	
				1320	0 730	
**				1540	//1130	
1				1800	1530	
1				2220	/2/2/30	
130/88				2820	0830	
11				3240	1530	
1				3660	2230	
131/05				4320	0930	
			er in the first of	and the second of the second o		

4290 9:00 60.56 4305 9:15 60.55 4320 9:30 60.55 ECOVERY DATA

Test type: I. S 4. Recovery wi Total well dept Casing type Interval of second	ith obs. well thft. W ten or perforft. Aquifer	awdown 2. Single 5. Other (spectal diameter Type of screen ation	e well recover ify)in. Casing in or perforaAquifer lith	diameter	with dos. w	Voll
Megsuring point Altitude measur	ing point					
Static water lev	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	How measur TIME SINCE PUMP OFF 11, MIN.	F ² /† (DAYS)	S ₁ FT.
128/88	9:31	. 60.55	4321			
1.	9:32	60.54	4322	2.		
	9:33	60.52	4323	3		
	9:34	60.30	4324	4		
•	9:35	60.48	4325	5		
4	9:36	60.45	4326	6		
· ·	9:37	60.42	4327	7		
7	9:38	60.38	4328	B		
,,	9:39	60.34	4329	9		
"	9:40	60.31	4330	10		
,	9:41	60.27	4331	W.		
"	9:42	60.23	4332	۷2		
"	9:43	60.18	4333	13		
	9:44	60.15	4334	14		
Ŋ	9:45	60.12	4-335	15		
,	9:46	60.08	4336	16		
	9:47	60.04	4337	17		
4	9:48	60.00	4338	18		
"	9:49	59.97	4339	19		
	9:50	59.93	4340.	20		
"	9:51	59.90	4341	2/		

Test type: 1.	Single well dro	Maricopa awdown 2. Single	Driller <u>_k</u> le_well_recove	wal #4 fus	en anto Tax	 -
Total well dep	with obs. well pthft. v	I 5. Other (spec Well diameter Type of scree	cify)in. Casino	g diameter		
tutal Adl OL SCI	reen or perfor	ration		Pumo ho i	A type	
Altitude of land	d surface		How deter	ology mined		
Measuring point	above land s	surface elevation				
Altitude measu						
Static water le				How measur	red	
OATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.		r*/† (DAYS)	S ₁ FT.
120/00	9:52	59.87	4342	22		
4	2:53	59.83	4343	23		
	9:54	59.80	4344	24		
	9:55	59.77	4345	25		
10	9:56	57.73	4346	26		
u	9:57	59.71	4347	27		
W .	9:58	59.68	4348	28		
	9:59	59.65	. 4349	24		
	10:00	59.62	4350	30		
10	10:05	59.48	4355	35		
110	10:10	59.36	4360	40		
$\mathcal{A}_{\mathcal{C}}$	10:15	59.25	4365	45		
	10:20	59,15	4370	50		
17	10:25	57.04	4375	535		
W	10:30	58.97	4380	40		
V	10:35	58.88	4305	65		
W	10:40	58.79	4390	70		
11	10:45	58.72	4395	75		
	10:50	58.65	4900	80		
	10:55	58.57	4405	B5		
	11:00	58.51	4410	90		

Jest type: I.	WE Or		7 m m m m m - 7 - 7 . 1 .	·- 	ec. / /// WEL	L NO. EMW
			<u> Oriller</u>	Lorrel #4,	Pumpiner.	Test
/4 / Daaanaan		awdown 2. Singl	e well recover	ry 3. Drawdown	with obs. w	ell
	and the second of the second o	5. Other (spec				
		/ell diameter _Type of scree				
Interval of sc	rees or serior	adian	[[남] [[아라마토 다음 [1] [1] [] 다	0		
Pump depth	ft. Aquifer		_Aquifer lith	ology		
	IG 90110C4		TUOM GEIGII	mined		
Measuring poin	it above land so	urface elevation				
Altitude measu	uring point					
	evel from mea			How_measur	ed	
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r*/ _i (DAYS)	S, FT.
128/88	11:10	58.40	4420	100		
	11/20	58,30	44-30	110		
••	11:30	58.19	4440	120		
W.	11:40	58.09	4450	130		
14	11:50	58.02	4410	140		
· tr	12:00	57.93	4470	150		
	12:10	57.86	4480	160		
	12:70	57.78	. 4490	170		
M. M.	12:30	57.72	4500	180		
	12:40	57.67	4510	190		
· C	12:50	57.61	4520	200		
	1:00	57.54	4530	210		
11	1:10	57.49	4540	220		
W.	1:20	57.44	4550	230		
11	1:30	57.39	4560	240		
	2:00	57.27	4590	270		
	2:30	57.17	4620	300		
11						
			4650	330		
	3:00	57.05	4650	330 340		
1			4650 4680 4710.	350 340 390		

State	County		FER TEST (DATA RE., s	ecWEI	L NO EMW
Personnel			Driller			
Test type: I. S	ingle well dra	wdown 2. Singl	e well recove	ry 3. Drawdown	with obs. v	vell
Mecovery W	ith obs. well	5. Other (spec	ify)			
Casing type		_Type of scree	in. Casing	diameter	<u>_in.</u>	
INTERNAL AT ASSA	de de desfer	-41			The state of the s	
Pump depin	ff. Aquifer		Aquifer lith	ology		
化氯化基基 化二氯甲酚基异苯甲基异苯基				mined		
Megsuring point	below land su	rface elevation_				
Altitude measur						
Static water lev				How measur	ed	
OATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/ ₁ (Days)	S ₁ FT
120/08	4:58	56.73	4768	450 448		
	5139	56.69	4809	4BUABY		
4	6:24	56.57	4354	5-10534		
Y				-540		
u				576		
				600		
A 19 19 19 19 19 19 19 19 19 19 19 19 19				780		
V				840		
129/88				940		
N Park				1080		
.41				1320		
u u				1540		
				1800		
<u>.</u>				2220		
130/88				2820		
				3240		
				3660		
131/88				4320		
			ar an			
			1 Sec. 18 (1987)			

×.			
t.	PUMPING-STA	nc" w	Li
4275	8:455	9.55	
4290	9:00	7.23	
4805	9:165	7.6	
4320	9:205	7. 20	

	A			
_	1 m			4
المصاد		F	ENCEL	NE
#2	, 41	٠ - ١		

WERL 16 GMW-1

ACCESS ROAD

DIE WAR BUNDINGS

Personnel Test type: I. S 4. Recovery w Total well dep Casing type Interval of scr	DARR, Single well drith obs. well thft.	AMPICOPA ADUR awdown 2. Single 1 5. Other (spector) Well diameter Type of screen ration C	Driller L le well recove ify)in. Casing en or perfora	ry 3. Drawdown diameter ition	Pumpin with obs. w	g Fest
Altitude of land Measuring point Altitude measur Static water le	above land a below land a	rC VMCNoいイ purface elevation	How determine Top of Z''	NEASTRONG F		ope.
OATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r ² /† (DAYS)	S ₁ FT.
1/28/88	9:31	59.31	4321			
		59.57	4322	2		
		59.85	4323	3		
		60.02	4324	4		
		60.23	4325	5		
		60.39	4326	6		
		6023	4327	7		
v		60.03	. 4328	8		
<i>"</i>		59.88	4329	9		
	9:40	59.74	4330	16		
ali. 🔭 📜 i i i i i i i i i i i i i i i i i i		59.59	4331	11		
"		59.51	4332	2		
11		59.35	4333	13		
		59.27	4334	14-		
,		59.18	4335	15		
		59.14	4331	16		
		59.06	4337	17		
1		58.95	4338	18		
"		58.86	4339	19		
u	9:50	58.85	4340.	20		
					and the state of t	

Personnel Mus	UK-111U, GK	Maricopa	-Oritler	- Landty	PHMINIM	Vert
Test Type: I.	Single well dr	awdown 2. Sing	le well recove	ry 3. Drawdown	with obs. v	vell
Total well des)thft. \	l 5. Other (spec Well diameter	in Casina	diameter	<u> 2180 - 180 - 186 iu.</u> 18 3 - 180 iu.	
Casing type		Type of scre	en or perford	tion		
interiol of eac	man an anala		机工作性 化铁铁铁矿 医二氯化铁 经工程			
Altitude of land	TT. Aquite d surface		Aquifer lith	ology		
		N. N. B. C. S. C. S. C. S.				
		surface elevation	10 25 10 20 10 15 1 11 15 11 11 15 15 15			
Altitude measu Statio water la						
Court of the Best Court at the Court		suring point_		How measur	ed	
OATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.	PUMP OFF	r²/ _† (DAYS)	S ₁ FT.
120/00		59.14	4342	22		
		59.38	4343	23		
		59.61	4344	24		
и :		59.72	4345	25		
u		59.85	4346	26		
U		60.03	4347	27		
V.		59.75	4348	28		
10		59.56	4349	24		
11	0.00	59.34	4350	30		
N. A.		58.77	4-355	35		
.10		58.36	4360	40		
l,		58.62	4365	45		
N.		59.11	4370	50		
10		58,41	4375	535		
	10:30	56.03	4380	60		
<i>11</i>		57.76	4385	65		
Well lands.		57.64	4390	70		
M.		58.68	4395	75		
l ₁		_57. 99	4400	80		
The second secon		57.59	4405.	85		

Recovery Total well of Casing type Interval of the Pump depth Altitude of the	with obs. well septhft. screen or perfoft. Aquife and surface	Mancepa Mancepa Frawdown 2. Sing I 5. Other (spec Well diameter Type of scre pration Er	cify)in. Casing en or perfordAquifer lithHow deter	diameter	_in.	
Altitude mea	oint above land to suring point level from med					
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	red	S ₁ FT,
128/88		58.18	4420	100		
		57.24	4430	110		
	11:30	57.96	4440	120		
W.		57.17	4450	130		
11		57.34	4460	140		
v u	12:00	57.11	4470	150		
		56.60	4480	160		
1		57.50	.4490	170		
N	12:30	56.54	4500	180		
N. Carlotte		57.61	4510	190		
		56.54	4520	200		
M	1:00	56.17	4530	210		
. 11		56.73	4540	220		
. 1		56.14	4550	230		
11	1:30	57.02	4560	240		
11	1.54 2.00	56.51	4584	264		
11	1.34 2:30	55.78	4624	304		
10	3:04	56.96	4654	334		
1	3:34	55.87	4684	364		
//	4:04		4714	394		
h	4:30	55.35	4740	420		

NA 2', 3

State	County_		FER TEST	R E. S	ec WEI	I NO GAN.
Personnel_			S Driller			IL NO.
Jest type: I. S	ingle well dr	wdown 2. Sing	le well recove	ery 3 Drawdows	with obs	volt
(-> Macover A M	ITH ODS. WELL	5. Other (spec	ify)	그는 항공 얼마 내 그리고 그		
Casina type	m <u> </u>	Vell diameter _Type of scre	in. Casin	g diameter	_in.	
Lamb cabiu	TT. Aquiter		_Aquifer lith	ology		
医二氯甲基甲基甲基甲基甲基甲基异苯甲基甲基				mined		
Megsuring point	below land so	ırface elevation			***	
Altitude measur	ing point					
Static water les	rel from mea:	suring point_		How measur	ed_	
DATE	TIME	DEPTH TO MATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF t1, MIN.	r²/; (DAYS)	S ₁ FT.
120/08	5:04	55,26	4774	150 454		
De la Companya de la	5'3 5	55.13	4805	430485		
	-6:00			- 9≤10		
	6:25	55.41	4855	540 535		
4	-7100 -			570 T		
	2130-			600		
	9 :30			720		
V	H:30			840		
129/88				940		
V V				1080		
.41				1320		
				1560		
102				1800		
				2220		
30/88				2820		
				3240		
1				3660		
131/88				4320		
	ing a second of the second	on a la la de la	uranti, ili saus un diffi			

State APIZO	VA County	AQUI MARICOPA Gawdown 2. Single	FER TEST O	ATA R	ec. 16 WEL	L NO. GWW.
Personnel Anw	12-AK, 60		_Driller_ [[]	OPAL #4	Pumpin	19 Fest
Test type: I. S	ingle well di	awdown 2. Singl	le well recove	ry 3. Drawdowr	with obs. v	vell
A Mecovery W	In ods. wel	l 5. Other (spec Well diameter	ity)			
Casing type		Type of scree	en or perford	tion		
interval of scre	en or perfo	ration		Pumo ho. 8	B type	
Altitude of land	ft. Aquife		Aquifer_lith	ology		
				mineq		
Measuring point	below land	surface elevation				
Altitude measur		The second secon				
Static water lev				How measur	'ed	
DATE	TIME	DEPTH TO	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	Γ ² / _† (DAYS)	S ₁ FT.
128/88		60.00	4321			
		60.40	4322	2		
		K0.85	4323	3		
		61.15	4324	4		
17		61.425	4325	5		
" "		61.640	4324	2		
		61,200	4327	7		
4		60.750	. 4328	8		
,,		60,450	4329	4		
		60.250	4336	10		
,		60,100	4331	//		
"		59.950	4332	/2		
"		59,840	4333	13		
,		59,730	4334	14		
"		59.640	4335	15		
		59.550	4336	16		
		59 .470	4-337	17		
"		59,400	4338	18		
		59.32	4339	19		
		59.260	4340.	20		
11		59.460	4341	2/		er de e

Casing type	othft.	I 5. Other (spec Well diameter Type of screen	if well recove cify)in. Casing en or perfora	ition	n with ábé. v in.	vell
Altitude of land Measuring point Altitude measur	above land string point		Aquifer lith How deter	alaav	B type	
Static water le				How measur	ed	
OATE		DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/ ₁ (DAYS)	S ₁ FT.
120/08		60.000	4342	22		
O. O		60.450	4343	23		
		60.775	4344	24		
		60.990	4345	25		
I		61.160	4346	26		
		61.310	4347	27		
W		60.750	4348	28		
		60.300	. 4349	24		
		60,000	4350	30		
Jr.		59.200	4355	35		
		58.800	4360	40		
l _r		59.750	4365	45		
		60.000	4370	50		
11		58.900	4375	55		
11		58.450	4380	40		
		58,1750	4385	65		
		58.050	4390	70	£	
		59.900	4395	75		
		58,450	4400	80		
		58.025	4405	es		
				(1) 1 → 1 (2) 表別 (2) → 1 → 1 → 1 → 1 ■ 2 → 2 → 1		

Test type: I. 4 Recovery	Single well drowith obs. well	Nawespa 3 Iwdown 2. Singl 5. Other (spec	Driller_ le well recove lfv)	R. / E. S. S. S. S. S. S. Drawdow	myung 7	
total Mell 4	opthft. W	fell diameter	in Casin	o diameter	_in.	
Interval of so	reen or perfor	_Type of scree	en or perform	ation		
. amb gebiif	II. Aquiter		Aquifor lith	Many		
그 집에 얼마를 하는 것이 없다는 걸까				mined		
Megsuring poin	nt below land su	rface elevation				
Altitude meas	uring point					
	evel from meas	uring point		How measur	ed	
DATE	Line,	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r*/ ₁ (DAYS)	S ₁ FT
128/88	58,850		4420	100		
	57.600		4430	110		
	59.300		4440	120		
	57.600		4450	130		
	58,450		4460	140		
<u>u U</u>	57.550		44.70	150		
11	56.950		4480	160		
	58.250		4490	170		
NI.	56.960		4500	180		
N.	68.950		4510	190		
11	56.950		4520	200		
M	57,22		4531	210 211		
	57,17		4541	220 221		
	56,54		4551	230231		
1	58,53		4561	Z40241		
u	57.70		4584	270264		
	56.17		4624	300 304		
1)	58.10		4654	330 334		
A	56.30		4684	340364		
11	55.95		4714.	390 314		
	55.75		4744	420 92A		

State	County_		FER TEST C	R £. s	ecWEI	I NO GMW
Personnel			Driller			
Jest type: I. S	ingle well dr	awdown 2. Sing	le well recove	ry 3. Drawdown	with obs.	rell
Thecovery W	ITN ODS. Well	5. Other (spec	ifv)	사이가, 그런 그는 그리를		
Casing type		Vell diameter _Type of scree	IN. Casing	diameter	<u>_</u> in.	
MILELAGI OL SCLE	en or perfor	ration		Pump ho \$	l tvaa	
Pump depthAltitude of land	ff. Aquife		Aquifer lith	ology		
	ahove		How deter	mined		
Megsuring point	below land s	urface elevation				
Altitude measur	ing point					
Static water lev				How measur	ed	
OATE		DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 1 ¹ , MIN.	r²/; (DAYS)	S, FT.
120/08	55.62		4774	450454		
$oldsymbol{q}$	55,50		4304	480 464		
	56.13		€ 33 4es3	ST10 533		
				540		
				510		
<u>u</u>				600		
				120		
				840		
129/88				940		
				1080		
en e				1320		
				1560		
				1800		
				2220		
130/88				2820		
				3240		
				3660		
131/05				4320		

(4.) Recovery w	STATES TO SET LOSS.		-Demos-	-U.1-71 L 154	100414	a ree
(4.) Recovery w	ingle well drav	wdown 2. Singl	e well recove	LOPAL #4 ry 3. Drawdown	with dos. w	iell
	ith obs. well !	5. Other (spec	:ify)	g diameter		
				diameter		
Interval of some	aan oo oostoro	-41	그런 경고화에는 이 기계되었는데			
Pump depth	ft. Aquifer_		Aquifer lith	ology		
				ninea		
Megsuring point	일본 사람들은 기가 되었다.	face elevation				
Altitude measur						
Static water lev				How measur	ed	
UAIS	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON	PUMP OFF	* */•	S _i FT.
		53.73	t, MIN.	1 ¹ , MIN.	(DAYS)	RECOVERY
128/88	4:30759	53.73	4321	19		
		53.73	4322	77		
1		53,73	4323	3		
		53.73	4324	4		
		53.73	4325	5		
4		53,72	4324	6		
"		53,72	4327	7		
		53.72	.4328	В		
.,,		53.71	4329	9		
		53.7(4330	10		
y		17.82	4331	1/		
1/		53,70	4332	<u>اح</u>		
"		53.70	4 3 3 3	13		
		53.69	4334	14		
<u>u</u>		53.68	4335	15		
		53.66	4336	16		
		53,65	4337	17		
		53.65	4338	18		
		53,64	4339	19		
		53.63 53.61	4340	20		

Personnel Test type: I. Si			·	R	ec. 16 WEL	L NO. 28 U
4. Recovery wi Total well dept	nois well de		Driller			
4. Recovery wi Total well dept	MAIR MAIL GL	awdown 2. Singl	le well recove	ry 3. Drawdown	with obs. v	rell
lotal well dept Casing type	th obs. well	5. Other (spec	ify)			
	<u>n </u>	Vell diameter	in. Casing	diameter	_in.	
interval of scre	en or perfo	ration	Bit or periore	rion Pump ho. £	à type	
Pump depth	ft. Aquife		Aquifer lith	ology		
				mined		
legsuring point	above land s	urface elevation				
lititude measuri			10 14 11 12 15 16 16 16 16 16 16 16 16 16 16 16 16 16			
tatic water lev	el from mea	suring point		How_measur	ed	
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r ² / ₁ (DAYS)	S ₁ FT.
120/08		53.61	4342	22		
		53,61	4343	23		
		53,58	4344	24		
16		53.55	4345	25		
		53.54	4346	26		
u		53,52	4347	27		
V		53.5(434B	28		
		53.50	.4349	29		
	10:00	10: 53,48	4350	30		
le.	10:05	53.42	4355	35		
	10:10	53,34	4360	40		
10	10:15	53.28	4365	45		
1	10:20	53.21	4370	50		
11	10:25	53.15	4375	535		
1/	10:30	53.08	4380	40		
W.	10:35	53.02	4385	65		
1/	10:40	52.96	4390	70		
	10:45	52.91	4395	75		
	10:50	52.85	4400	80		
	10:55	52.80	4405.	85		
4						

	County	AQU	IFER TEST (TS.	DATA RE., s	ecWEL	L NO
Total well d	Single well dro with obs. well epthft. W	5. Other (spec ell diameter	ify)in. Casing	ry 3. Drawdowr diameter	in	vell
Interval of s	creen or perfor	_Type of scre	en or perfore	Ition		
Pump depth_	ft. Aquifer		_Aquifer lith	rump np. t ology	a type	
Altitude of la	ft. Aquifer ind surface	전 설명 설명 전 경우 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등	How deter	mined		
Megsuring pol	int above land su	rface elevation				
Altitude mega	suring point					
	level from meas			How measur	ed	
OATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/ ₁ (DAYS)	S ₁ FT.
128/48	11:10	52.64	4420	100		
• (11:20	52.55	4430	110		
, (11:30	52,48	4440	120		
N.	11:40	52.38	4450	130		
11	11:50	52,31	4460	140		
u	PM 12:00	52.23	4470	150		
- 11	12:10	52.16	4450	140		
	12:20	52.11	.4490	170		
M	12:30	52.03	4500	180		
N.	12:40	51.98	4510	190		
	12:50	51.93	4520	200		
W	1 1:00	51.88	4530	210		
	1:10	51.81	4540	220		
<u> </u>	1:20	51.77	4550	230		
4	1:30	51.74	4560	Z40		
	2:00	51.60	4590	270		
	2:24 相合	51.50	4614	300 294		
1)	2:54 de 1880	51.42	4644	336324		
<u> </u>	3:24	51.32	4674	340 354		
11	3:54		1704.	390 384		
13	4:24	51.17	4734	42044		

• Mary 1

State	County_	AQUI	FER TEST C	ATA RE, s	ecwel	_L NO
Personnel			Driller			
Total well dep	ith obs. well	rawdown 2, Singl I 5. Other (spec Well diameter	ify)in. Casino	digmeter		
Interval of scr	Ren or perio	Type of screen	en or perford	ition		
Pump depth	ft. Aquife		Aguifer lith	Pump np. & ology	k Type	
Altitude of land	surface	•	How deter	mined		
Megsuring point	above land a	surface elevation				
Altitude measur						
Static water les				How measur	od .	
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/t (DAYS)	S ₁ FT.
120/88	4154	. 51.09	4764	450 444		
	5:24	5/1.03	4794	480 474		
	6:35	50,89	4835	510 515		
				540		
u				570		
				600		
				720		
V				840		
129/88				940		
				1080		
a				1320		
30.4 4				1540		
"				1800		
11			•	2220		
130/88				2820		
N				3240		
				3660		
131/88				4320		
1						

/ 4290 900 53.27 / 4505 915 53.24 / 4317 927 53.2

Test type: I. S 4. Recovery w Total well dep Casing type Interval of account.	OP-FC, Single well dr with obs. wel	rawdown 2, Sing 1 5. Other (spec Well diameter Type of scre	Driller- le well recove cify) in. Casing en or perfore	LORAZ #4 ry 3. Drawdowr g diameter ition	Pump is with obs. in.	ell
. amb cebtu	TI. Aquite		Aquifer lith	ology	a type	
Megsuring point	above land s below land s ring point	surface elevation		mined		
Static water le	vel from med	suring point		How measur	ed	
DATE	*930	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/i (DAYS)	S ₁ FT.
128/88	9:30	53.26	4321			
		53,26	4327	2		
	933	53.23	4323	3		
		53.24	4324	4		
		53.24	4325	5	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
4	936	53.25	4324	6		
		53.25	4327	7		
4		53.24	. 4328	8		
11		53.23	4329	9		
		53.22	4330	10		
,	941	53.23	4331	11		
- 1/		53,23	4332	12		
"		53.22	4333	13		
		53 22	4334	14.		
"		53.20	4335	15		
	946	53.19	4336	16		
		53.17	4337	17		
"		53.15	4338	18		
"		53.14	4339	19		
u	950	53.(4	4340	20		
11		53.13	4341	2/		

		AQU	IFER TEST	DATA		
Sigle	County_		T. S.	R	ecWE	LL NO
Personnel	Cincle wall de	rawdawa 2 Sia-	Driller_			
	AIIII UUS. WEI	rawdown 2. Sing I 5. Other (spec	2177)			well
total Mell Gel	othft.	Well diameter Type of scre	in. Casin	o diometer	_in.	
MILES AND OF SCI	sau or belic	ration		Duma ba		
Pump depth	ft. Aquife		Aquifer litt	ology		
Altitude of Jan	d surface		How deter	mined		
Measuring point	below land :	surface elevation				
Altitude measu	ring point					
医三角乳 医二维性性 自然 化二十二十二烷 医抗性		suring point		How measur	ed	
DATE	TIME	DEPTH TO	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/; (DAYS)	Si FT.
120/08		53.11	4342	22		
u .		53.09	4343	23		
		53.08	4344	24		
	955	53.08	4345	25		
11		53,04	4344	2(·		
u		53.03	4347	27		
W		53.02	4348	28		
10		53.02	.4349	24		
11	1000	52.99	4350	30		
<u>l</u>		52.91	4355	35		
		52.84	4360	40		
10	1015	52.77	4365	45		
10.10		52.70	4370	50		
)/	<u> </u>	52.63	4375	55		
1	030	52.56	4380	40		
. v		52.51	4385	65		
	1000	52 45	4390	70		
a Maria da M	1045	52.39	4395	75		
1		5 1 301	4400	80		
t _i		52.34				
11	1100	52.28 52.22	4405	85		

NORTH DELL @ 28 (RUNWAY)

State									
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	red r²/; (DAYS)	S ₁ FT.			
128/48	1110	52.12	4420	100					
	1/50	52.03	4430	110					
•	1130	51.95	4440	120					
	1140	51.89	4450	130					
	1150	51.78	4460	140					
	1200	51.74	4470	150					
	1210	51.65	4480	160					
	1220	51.58	4490	170					
N.	1230	51.50	4500	180					
	1240	51.47	4510						
N.	1280	51.38	4520	200					
	100	51.32	4530	210					
	110	51,30	4540	220					
u	120	51,24	4550	230					
10	/30	51.20	4560	virtual and state of the					
	200	51,05	4590	Z40 Z70					
	2:24	50.98	47614	300 294					
	a:54	50.88	4644	33-0324					
	3:24	50.78	4674	36-0354					
1				200					
<i>n</i>	3:54	50.67	4704	390 334					

State	County	AQU	IFER TEST	DATA ,RE., s		
Personnel					ME!	LL NO
Total well dep Casing type	thfi. W	awdown 2. Sing 5. Other (specifell diameterType of screation	in. Casin en or perfor	ery 3. Drawdown ig diameter ation	in.	well
Megsuring point	below land su	rface elevation	How dete	rmined		
Altitude measur Static water lev		suring point				
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	**************************************	S ₁ FT.
120/08	4:54		4764	150 444		
<u> </u>	5:26		4796	480476		
	6:32	50,32	4862	51054z		
				546		
				570		
				600		
				720		
				840		
29/88				940		
				1080		
.4				1320		
				1560		
_!!				1800		
u li				22.20		
30/88				2820		
11				3240		
				3660		
				4320		
131/85			and the second of the second o			

Late Recovery measurements

Cell	Date	chrono	Time since start	Time Since Stop	DTW
EMW-Z7MFU	1/28/88	19:43	49634933	TA3 613	59.13
	1/29/88	11:45	5925 5895	1605 1575	58.2z
	1/30/88	16:43	7663 7633	3343 3313	57.44
	1/31/08	9:14	3626	4306	57.14
EP-2	1/28/68	19:48	49684938	645 618	47.58
	1/24/88	11:49	59295899	1604 1579	47.57
	1/30/88	16:50	7470 7640	3350 3320	47.52
	1/31/88	10:10	8180	4360	47.58
Emw-28B	1/28/88	19:51	4941	621	4B.5
	1/29/88	11:57	5901	1581	48,18
	1130/88	16:52	7642	3322	48.1
	1/31/08	10:12	evez	4362	42.1
EMW-ZEVC	1/20138	19:53	4943	623	50.7
	1/29/88		5569	1249	50.3
	a de la companya de l	11:5 z	ed) is an internal commencer of the constitution of a constitution of the commencer of the commencer of the constitution of th	1582	50·2
a timpo atomico de la la propertir de la manda de l La composição de la compo	5 11	17:08	. 6218	1898	50.9
	1/30/28	e produce and the second secon	مستعمل من المستعمل المستقيم والمستعمل والمستعمل المستعمل والمستعمل والمستعم والمستعمل والمستعمل والمستعمل والمستعمل	2885	50.8
		14:53	and the second control of the second control	3325	50.7
	1/31/38	08:17		4247	50.1
The second secon	u	10:14		4364	50.1

<u> ell</u>	Dale	Chrono	Time Since Start	Time Since Stop	DTW
EMW-ZELC	1/28/88	19:56	4946	626	50.20
	1/29/88	06:21	5571	1251	49.7
	i.	11:54	5904	1534	49.7
	u	17:10	6220	1900	50.35
	1/30/08	9:38	7208	2888	50.39
	n	16:58	764B	3328	49.65
	1/31/68	08:20	8570	425D	49.6.
	ii	10'.17	8187	4367	49.6
EMW-1	1/28/88	19:37	4927	607	56.4
	1/29/88	06;13	5563	1243	55.9
	u	12:22	5932	1612	55.8
		17:02	6212	1892	56.0
	1/30/88	9:52	7222	2902	57.4
	U	17:04	7654	3334	55.7
	1/31/88	08:08	8558 250 ,		55.4
	u	09:5%	8668	4-34-8	55.0
					The same transmission of the same of the s
EMW-Z	1/28/88	19:35	4925	605	54.30
	1/29/88	12:20	5430	Control of the Contro	53.6
	1/30/88	17:06	GET 6 7656	1610 1896	53.7
	1/31/83	10:00	8670	435D	, <i>5</i> ₹. 73
	The second secon				
Emw-3	1/28/88	19:34	4924	604	52.6
	1/29/88	12:24	5934	1614	5710
1. A. T.	1/30/83	17:08	6218 1658	1540 333B	52.40
	and the contract of the contra				

10:02

1=11	Date e	hrono Tine	Sina Start	Time Since Stop	072
LORAL#1		19:24	4914	594	54.89
		05:57	5547	1227	53.78
	u .	12:09	5919	1599	54. Z
		16:46	6196	1876	54.3
	1/30/88	09:07	7177	2857	54. z
		16:25	7615	3295	53.e
THE STATE OF THE S	1/31/88	oT:53-	2545	4225	53.5
		09:38	5648	4328	53.4
LORAL#4	1/25/88	19:27	4917	597	54.6
	1/24/38	06:04	5554	1234	53.7
		12:13	5922	1602	54.1
	4	14:43	61913	1973	54.2
	1/30/88	09:03	7173	2853	54.
	u	16:23	7413	3293	53.7
ang (an alifin to later). The extending any angular property and an analysis of the second and an analysis of	1/31/28	07:5Z	8543	4223	53.
	<u> </u>	09:33	6643	4323	53.6
6mw-1	1/23/88	19:1B	4908	538	55.4
	1/29/88	05:48	5538	1218	<i>5</i> 3, 4
		12:02	5912	1542	54.4
		16:52	6202	188z	54.z
	1/30/88	69:19	7189	2869	54.7
		16:33	7623	3303	53.7
	1/31/33	08:00	8550	4230	536
		and the second s			

8654

4334

53.4

09:44

u

Oell	Dale	Chrono	Time since start	Time Since Stop	OTh
GMW-Z	1/23/88	19:16	4906	586	56.3
	1/29/88	05:51	5541	1221	54.3
	/ n	12:03	5913	1543	56.0
	· ·	16:54	6204	1884	54.4
	1/30/88	69:22	7192	2872	55.1
		16:31	7621	3301	54.7
	1/31/83	68:0Z	8532	4232	54.6
		69:42	8652	4332	<i>5</i> 3.
6mw-3	1/28/38	19:20	4910	590	50.7
	1/29/38	All the second of the second delice and the		1594	50.7
	1/30/88	11:3		3364	50.4
	1/31/88			4336	50.7
and the property of the second contains the second contains an expectation of the second contains an expectation of the second contains a	and the second control of the contro	terror of the contract of the	and a superior of the superior	takan an araway an arawatan da kata an arawatan da kata arawatan arawatan arawatan arawatan arawatan arawatan	المترد ويحتمل للساراء ودودات بومصيم

DATA

RECOVERY DATA

Personnel		MARICOPA awdown 2. Sing	Deillor-	LOPAL #4	· Pumpia	19 Feet
A Wecovery MI	in ods. Wel	1 5. Other (spec	cify)			well
casing type		Well diameter Type of scre	en or perfore	ition.		
Pump depth	ft. Aquife	ration r	Aquifer lith	Pump hp. (ology	B. type	
Pump depthAltitude of land	surface		How deter	mined		
Measuring point	above land a below	surface elevation				
Altitude measuri						
Static water leve	el from med	suring point_		How measur	ed	
OATE	TIME	DEPTH TO	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r*/, (DAYS)	S ₁ FT.
128/88						
				2.		
				ŝ		
				4		
				5		
				6		
- 1				7		
"				8		
4				9		
of all the control of				10		
"				//		
11.11/1.11 A				/2		
"				13		
				14		
				15		
				16		
<u> </u>				77		
				18		
				19		
				20		
11				2/		

	·LORAL	# 4			
D	onte.	Time	DIM		
130P)	1/28	1927	55 - 0.3		
MAD .	1/29	0604	55-#1.01		
21	1/29	1213	55-0.90		
	1-9	4:43	55-0.7B	a .03 av	492.5- No forping since we stopped since we stopped
100 A 1	130	9:03	55-0.21	- a 103 miles	492 we start
130P 1	130	4:23	55-1,28		11 1128
130A	1/31	7:52	55-1,30		anto on 1/31/98
	U	91,33:32	55-1,35		
	GMW-				
	Date	Time	DTW		
(30P)	1/28	₱7/8pm	55.68		
:00A)	1/29	0548	53.96		
地区	1/24	1202	54.43		
4:30P	1/29	4.52	54.25		
7:00 A	1/30	9:19:29	54.75	를 받는 것 같습니다. 100 m (150 m) 150 m (
1130P	1/30	4:32:41	53.15		
SO A	1/31	9:00:00	53.63		
		9:44	53,45		
	emu-		Div		
	Date	TIME.			
(30P)	1/23	#716pm	56.39		
100 A	1/29	0551	54.39		
TZN)	1/29	1203	56.05		
4130P	1/29	4;54	54.65 55.10		
7:00 A	1/30	9:21:45	54,29		
4:30P	1/31	8:02;00	54.04 53.16		
7:30A		9.42	37.1		
		₩ - 3 ———————————————————————————————————			
	Dete	Time	DIN		
	1/46		.opm 55.68 -50.73		
12ND	1/29	1204	50.70		
130P	1/50	1:34:08	50.66		
9:30 A	1/31	9.46	50,73		

Test type: 1. : 4. Recovery v Total well der Casing type	Single well dr with obs. well othft. \	awdown 2. Sing	Orillar		DEC. WEI	LL NO
Test type: 1. : 4. Recovery v Total well dep Casing type	Single well dr with obs. well othft. \	awdown 2. Sing				
Casing type	othft. \	1 5. Other (spec	le well recove	ry 3. Drawdow		vell
interval of eco		Well diameter	in. Casino	diameter	in.	
		Type of scre	en or perford	Ition		
Pump depth	ff. Aquife	ration	Aquifee list	Pump hp. :	B Type	
Altitude of land	d surface	•	How deter	mined		
Megsuring point	above land a	surface elevation	: Berger (1985) 15: 14: 15: 15: 15: 15: 15: 15: 15: 15: 15: 15			
Altitude measu		그 기가 난다는 것 같아들겠네요요				
Static water le	vel from med	suring point_		How measur		
DATE	TIME	The state of the s	TIME SINCE	TIME SINCE		
		. WATER LEVEL		PUMP OFF	r2/1	S, F
			1, MIN.	11, MIN.	(DAYS)	RECOV
120/08				22		
				23		
				24		
				25		
				26		
				27		
				28		
				24		
				30		
				35		
.11				40		
				45		
		I say the say that the				
				(7)		
				50 ec-		
l de la companya de l				55		
W.				535 60		
\(\frac{1}{2}\)				55 40 65		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				535 40 45 70		
				535 60 65 70 75		
				535 40 45 70		

· > E	mw-z	-7			EMW-			
Dat	le T	ine I	stw /	Ž	de	Time	DIN	
301) 1/2			9.13	7:50P)	1/28	1937	56.45	
* *				6:00A)	1/29	0613	55.93	
1/25	2)	~~	8.22	(IZN)	1/24	1222	55.89	
of 1/30	o 4	143 5		4:30 P	1/24	5:02	56.07	
30x 1/3	1 9	:16 5		7:00 A	1/30	9152	CAZON 57.45	
<u></u>	-P-Z				1/30	4 5 4 4	PGAZ4F 55,72	
Don			TW	R30A	1/31	9158	55.66	
	28 29	1948 1149	47. <u>58</u> 41.51		EMW	<u>- Z</u>		
	30	77 7	17,52		Pake	Time	PTW	
	3)	10:10	47.58	7:300	1/25	1935	54.34	
	Emw-Z			(IZN)	1/29	1220	63.62	V
C)ale	Time	DTW	4:30P	1/70	5:06	53.77	
<u> </u>	<u></u>	1951	48.59	quest .	1/31	10:00	53.73	
	126 129	115)	48.18					
	130	4;52	48.16		EMH	/- <u>3</u>		
	(3)	10:17	48.13		Date	Time	DTV	
	EMW-	ZBUC		7:30P)	1/20	1934	52.64_	
	Date		<u>D</u>	IZN	1/29	1224	52.64	
(150P)	1/28	1953	60.79	4:30P	1/30	5!08	52.60	
ioo A	1/29	0619	50.37	9:30 A	1/31	10:07	52,65	
ZW.)	1/29	1152	50.24					
1:308	1/29	5,08	50.93		LOR	チレザー		
1:00 A	1/30	9:35	50,38		Dale	Time	DIZ	
1:30 P	1/30	4:55	50,24		1/25	1924	54.89	
MOA	1/31	10:14	50.18	7:30 P	1/29	0557	53.78	
		~-28LC		(6:00 A	1/24	1209	54.28	
	pate	Time	50.20	4:30 P	1/24	1 - 20 - 3 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	54.32	
7:30P	1/28	1956	49.76	7:00 A	1/30	4:46		
12N)	1/29	0621 1154	49.72	4:30P	1/30	9:07 4:25	54.23	
1208	1/29	5:10	50.35		1/31		53.84	
200 A	1/30	9:38	50.35	9.8.6 A	n i	7:55 9:38	53.59 53.44	
f 130P	1/30	4:58	49.45					
9732A	1/3l	B:20	49.62					
7 'V 'V'	u v	10:17	49.61					//

DRANDOWN DATA

LOPAL#4

State_	ARIZO	example 1Mo	MARICOPA	UIFER TEST T. / S. Driller decovered to the control of the contr	R. Z.	Sec. 16 WE	LL NO
Test t	ype: I. S	lingle well dro	owdown 2. Sin	Driller !	Deada	Pumpin	g Test
4. Red	overy w	ith obs. well	5. Other (spe	clfy)	J. Drawdov	vn with obs.	well
Casing	well dep	rn <u>ft.</u> v	/ell diameter_ 	in. Casing	g diameter	_in.	
	A OI SCLE	tau of belief	ation	그러 그렇게 살아내려 얼마나면 되다.			1/2/2 1
Casing Interval Pump of	lepth	ft. Aquifer		Aquifer lith How deter	ology		
	r or land	above		How deter	mined		
			rface elevation				
		ing point					
1. 化二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十	医多类畸形 医多头皮质	el from meas			How measu	red	
DAT		TIME	DEPTH TO WATER LEVE	TIME SINCE	TIME SINCE	12/4	8 -
· 517	ART	•		PUMP ON t, MIN.	PUMP OFF	(DAYS)	S, FT.
1/25/	88		72.50				
			13.35	2			
t)			35-62	3			
11			75 ~ .62	4			
- 11			7542	5			
- 17			1520	6			
N.			1505	7			
11			15+.30	В			
1/			15 1.32	9			
			75 t .51	10		110423(1	00)
-11 V			75+.74	11			
			75 t.86	/2			
100			£75 +.97	13			
			75 + 1.0B	14			
lı .			15 + 1.04	15			
V ₁		1.5 (4.5)	15+1.19	16			
1/			75 +1.35	17			
•			5 +1.42	18			
y			75 41.47	19			
11	_		5 +1.58 5 +1.63	20 .		10573	

Personnel			Driller			
4 Recovery w	lingle well at	rawdown 2. Sing II 5. Other (spec	ile well recove	3. Drawdov	en with obs. v	well
total well deb)thff.	Well diameter_	in. Casino	a diameter		
Cosmid type		Type of scre	len or perform	ation		
MILES AGE OF SCL	wen or perio	oration				
Altitude of land	surface		Aquiter lith How deter	ology		
Measuring point	above land	surface elevation				
Altitude measur	Delow					
Static water le				How measu		
DATE	TIME	DEPTH TO	TIME SINCE	TIME SINCE		
		WATER LEVEL		PUMP OFF	r ² / ₁ (DAYS)	S ₁ FT.
125/08		. 75 +1.72	22			
		75+1.78	23			
		75-11.89	24			
		75+1.94	25			
		15 t2.01	24			
transfer of the state of the st		15 + 2 or	27			
		75 +2.04	28			
		75+2.11	. 29			
		15+2.10	30		110723	
		15 12.31	35			
		75 +2.57	40		110874	
		754 2.17	45			
		15+2.96	50		111025	
		75+3.08	55			
		75 + 3.94	60		111176	
		80-1,75	65			
<i>U</i>		80-1.58	70		111233	Property Commence of the Comme
		30-1.55	735			
		90 -1.51	80		####Z	
		30-1.48	85.			
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	80~1.25	90		W. Gdy. A	

LORAL#4 Py. 3

Test type: 1. 4. Recovery Total well d Casing type_ Interval of s Pump depth_ Altitude of lo	Single well dr with obs. wel epthft. creen or perfoft. Aquife and surface	awdown 2. Sing 1 5. Other (spec Well diameter Type of scre ration_ r	Driller_ ple well recove cify)in. Casin pen or performAquifer littHow deter	g diameter_ ation_	own with obs. v	
Altitude meas	uring point					
or the foliation will be to be falled		suring point_		How meas	sured	
OATS		DEPTH TO : WATER LEVEL BO-1.28		PUMP OFF	- 3 -	S ₁ FT.
125/48		30-1,25	100			
		80-1.13	110 1:50		111932-	
*	OH=7.3, 25.1°	80-1.00	120 200		112083	
		80-0.87	130 z:10		112234	
		80-0.18	140 2:20		112385	
		80-0.68	150 2:30		+12687	112536
		80-0,55	160 2:40		गिर छउ छ	
		80-0,53	- 170 Z:50			112838
11 4	EC = 2100 pH= 7.7,24.88	80-0.40	130 3:00		112989	112-12
Y		80-0.42	190 3:10			
41		30-0.26	200 3:20		113290	
	et: 7.3, 24.8°C	80-0.23	210 30		113441	
			220 3:40			
		80-0.07	230 2750	1:20	113731	
" *	5C = 1900 0H57.3, Z4.7°C	80 +0.06	240 000		113882	
		80+0.10	270 rise 1		114334	
11 +	EC=2100 OH=7.3,24.5°C	and the second of the second s	300 KW 1		114784	
		80+0.98			15238	
11 %	EC = 2050 oH = 7.3,24.9°C	80+1.34	3 60 Way 3		15690	
and the second second second			3 90 6 JU +			
. V	EC = 1980 21+= 7.3 24.8°	DO PLODE	1 10 -10 14	**	116141	

4

R

Personnel			T		SecWEL	L NO
Test type: I. S. 4. Recovery wi Total well dept Casing type Interval of scre Pump depth Altitude of land Megsuring point	hft. Wen or perfor ft. Aquifer surface	/ell diameter_ _Type of scr	ecity)in. Casin een or perfor Aquifer titt How deter	g diameter_ ation_ Pump tip.		
Altitude measuri	ng point					
Static water lev	THE STATE OF THE S			How meas	ured	
	PIME	DEPTH TO WATER LEVE		TIME SINCE PUMP OFF 11, MIN.	DAYS)	S ₁ FT.
1/25/88		80+1,99	450	5:00	117044	
	, (480min)	30+2.11	480	5-30	117495	
		80 +2,Z	510	6:00	117946	
		80+1.83	-540	4366:58	118819	
		80+1.55	Lege =			
		and the second s	-6-00	207:42	119480	
		80+1.26	720		121112	
- ρ	= Z000 4=7.3 ,25.1°C	80+1.21	. sao	usno 11:30		
124/88	t= 7.3, 25.12	80+1.10		理。1:30Am		
W			A Section of the Control of the Cont	31,70		
-vi			1320	7:36		
100			1560			
			1800	3:30		
			2220	150		
127/88			2820	5.30		
			3240			
			3660			
20/88			4320			

LORAL#4 (Pumped nell) Field Parameters on back 9

Test type: I. 4. Recovery	Single well dr with obs. well	awdown 2. Sing	Driller_ ple well recove	ry 3. Drawdoo	vn with obs. w	
Casing type_ Interval of s Pump depth_ Altitude of la Measuring poi	epthft. v creen or performed to the contract of the contra	Well diameterType of screen ration Type of screen ration r urface elevation	in. Casing en or perford Aquifer lith How deter	ItionPump hp. ology mined	8 lype	
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	1 22/1//	S, FT.
1/26/88	6Am 0625	. 80 + 1.25	1255.0		0627:129215	
	1016	80 +1.37	1486.0	230,5	1017:132691	15.7
	2Pm 1406	BO +1.67	1716.0	21/	1408:136179	1507
"	4 Pm 1756	80 +1.25	1946.0		1759:/39668	1510
	90-			795m		1512
1/27/65	74m 0713	80+1.21	2743.0		0714: 151689	1X1Z
<u> </u>	12 Noon 153	80+1-71	3023.0	299 bis	1154:155921	75//
<u>u</u>	4 PM 1753	80+2.13	3563.0	ラスル シャー	1754: 161351	1508
/28/88	0712	80+1.22	4182.0		0715:173444	1510
	0845	BO +1.43-	4275.0		09:00:175039	
	0855	8041.55	4285.0			
	0905	8+1.42	4295.0			
	0922	8 t 1,49			09: 25:40 1	75427
	0926	6+1.46	4316.0			1772/
	0929	80+1.42	4319.0			
				talizer:	1754925	$\overline{}$
					7772.3)
	Section 1					

GRUGRU WHITE CRN + DO O

$$0625$$
 $pH = 7.3$

10/6

1406

cond = 2100 jumbes

1756

1-27-88

$$1754$$
 pH = 7.3

1-28-88

STATIC = 9:15 : 56 FT 2.90 IN 9:20 : 56 FT 3.00 IN DRANDOWN DATA 9:25:56 FT 3.05 IN

4. Recovery w Total well dep Casing type	Single well draw with obs. well to pthft. We	AARICOPA GG wdown 2. Single 5. Other (specification) Type of screen	Driller Lile well recover cify)in. Casing ten or perfora	LORAL #4 Bry 3. Drawdow g diameter ation	Pumping vn with obs. wein.	11
Pump depth	ft. Aquifer_		Aquifer lith	hology	A Type_	
				mined		
뭐하고 그녀들이 모양계를 다했다		rface elevation_				
Altitude measur						
	evel from measu				red <u>Electric</u>	
DATE		DEPTH TO MATER LEVEL	TIME SINCE PUMP ON t, MIN.	TIME SINCE PUMP OFF 11, MIN.	Depth to Water (pars)	S ₁ FT. RECOVERY
1/25/88	9:403	57XXC *			56,2.50	
	8 39	+.040	2		56,2.50	
	8.40	T.040	3		56', 2.80"	
	8:41	+.060	4		56'2.90	
	8:42	+.065	5		56:3.00"	
	8.43	+ 075	6		56,300	
No.	8.44	t.060	7		56,3.20	
	8:45	+,053	. 8		56,3.151	
	8: 4la		9		56,3.301	
V	8:42		10	95	56:3.25	
	8:48		11	9:40	56' 3.30"	
Y	8.49		/2		56:3.25	
u l	8:50		13		56:3.35"	
	1238		14		56', 3.40	
1	8:52 8:53 8:54 8:55		15		56.3.45	
	8:53		16		56,3.459	
	8:54		17		56', 3.40	
4	8:55		18		56.3.40	
	856		19		56, 2.70	
1. 1	1°57)		20 .	细	56', 2.75	
	858		21	STATE OF THE STATE OF THE STATE OF	56'. 2.55	

4. Recovery wi Total well dept Casing type	th obs. well thft. \	K,66 awdown 2. Singl 1 5. Other (spec Well diameterType of screen	e well recover ify)in. Casing on or perfora	(3. Drawdow diameter tion	n with obs we			
Pump depth Altitude of land	f1. Aquite surface	r_ urface elevation	Aquifer lith How deter	ology mined				
Altitude measur	ing point							
Static water lev				How measu	rod <u>Electri</u>	Townda		
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.	TIME SINCE PUMP OFF 1 ¹ , MIN.	1 74,	S ₁ FT. RECOVERY		
125/08			22		56' 2.80			
,,			23		56.250			
			24		56.270			
			75		56.280			
u			24		56.290			
•			27		56.295			
,			28		56.300			
			29		56.310			
			30	9:59	56.315			
			35	10:04	56.320			
11			40	10109	56.28			
			4-5	10:14	56.27"			
			50	10:19	56.31'			
			55	10:24	56.32			
"			60	10:29	56.30			
1,			65	10:34	56, 27			
			70	10:39	56.31			
11			75	10:44	56.33			
10			80	10:49	56.34'			
			B5 .	10:54	56.28'			
			90	NO: 59	56.31			

Personnel ADA Test type: I. Si 4. Recovery will Total well dept	WR-AD.		T. (N.)	DATA R. ("E.	Sec / 6 WEI	t NO
4. Recovery wi		AK.66	Oriller	Lavol NAC	1 P	7
T. RECOVERY W	ingle well di	rawdown 2. Sing	le well recove	ory 3. Drawdo	wn with obs.) / / (
The state of the s	ith ods. wel	1 5. Other (spec	ciful			
Casing type		Type of scre	in. Casin	g diameter		
Interval of scre	en or perio	xation_		Pump hp.	8 type	
, amb ashiff	II. Aquite		Acuifor lith	Misse		
그들은 항상하는데 회사들이 함께 받아 없다.	기관하다 이 사람 회사를 하지만 하다.	化氯基基酚 化二氯苯二磺基酚 化抗原物 化二氯基苯酚		mined		•
그리고 있는 말하다가 중요한 바로		turface elevation				
Altitude measuri						
Static water lev				How meas	ured Electr	17 S
	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	· I · · · · PE ·	S
1/25/88			100	11:09	56.35	
			110			
			120	11/19	56.30	
			130	1/1 2-9	56.37	
			140	11: 39	56. 32	
			150	11 49	56.3%	
				11:59	56.34	
			160	12:09	56.40	
			170	12:19	56.36	
v v			130	12:29	56.41	
			190	12:39	56-40	
			200	12149	56.41	
w W			210	12:59	56.44	
			220	1:09	56.43	
			230	1:19	56.46	
		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	240	1:29	36.45	
			270	2:60	56.52	
			300	2:25	56.51	
			730 360	3:00	56.61	
				3:30	56.67	
			390 · 420	4:00	56.72	
V	or the artists of the called	그는 말이 되는 그는 그는 그는 그는 물차 취고		4:30		

	~ AM	Marcoon AV 66	Delle	R		
4. Recovery will Total well dept	ith obs. wel	rdwdown 2, Sing 5, Other (spec 	ile well recover cify)in. Casing en or perfora	g diameter	vn with obs. w	Zii
I MIETVUI OT ECT	len ar aarte	nestice .		사람이 되었다. 그 보고 없는 사람들이 되었다.		
Altitude of land	surface	1	Aquifer lith How deter	ology		
		surface elevation				
Altitude measur Static water lev					1/ ₂ /	~ (
DATE	TIME	DEPTH TO	TIME SINCE	A STATE OF THE STA	ired <u>Fleeti</u>	
		WATER LEVEL	Billian and the following the property of t	PUMP OFF	r²/ ₁ (Days)	S ₁
1/25/88			450	5:00	56,78	
			480	5:30	56.78	
			-510 52 B		56.84	
				8:18	57.13	
		9:30	570154	10:04	51.30	
	وستراخ ووقعتها المحادث بين فرستهاي بالمناور	मृद्ध	600876	12:06.		
		130	7201003	Z113 Am		
			840			
1/24/88			960			
			1080			
			1320			
			1560			
		•	1800			
			2220			
			2820			
127/88			3240			
127/88	the state of the first state of the state of	The second secon				
			3660			
			3660 4320			

EMW-Z7 (By Big Plane)

4. Recovery Total well de Casing type Interval of sc Pump depth Altitude of lar Megsuring poir Altitude meas	Single well draw with obs. well 5 pthft. We reen or perforaft. Aquifer_ nd surface nt above land sur below uring point	wdown 2. Single 5. Other (special) diameter Type of scree ation rface elevation_	ify)in. Casing en or perforat Aquifer litho How determ	y 3. Drawdown diameter tion Pump hp. 8 plogy mined	in.	
DATE	evel from meas	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/ _† (DAYS)	S ₁ FT.
1/24/88	LAM 6:03	57.90	1233.0			
	10Am 10:02	58.17°	1472.0			
	2PM 1:52pm	58.32	1702.0			
W	6PM 5:30	58.53	1920.0			
	TPM					
127/88	7 Am 0725	58.84	2755.0			
ų	12 Noon 1204	58.96	3034.0			
,	9pm 1804	59.10	3394.0			
/28/88	0723	59.44	4193.0			
		<u> </u>	1944 9 4 Tu 1945 9			

COPAC#1 Drawdow Started Mon. @ 240 min

Personnel Test type: I. S 4. Recovery v Total well dep Casing type Interval of scr Pump depth Altitude of land Megsuring point	Single well dr with obs. well othft. reen or performed ft. Aquife d surface above land a	awdown 2. Sing 1 5. Other (spec Well diameter_ Type of scre ration_ r	Driller_ le well recover ify)in. Casing en or perforaAquifer litheHow_deter	diameter	with obs. v	all
Altitude measu Static water le		suring point		How measur		
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	[2/ ₁ (DAYS)	S ₁ FT.
125/48			100			
			110		and the second s	
			120			
			130			
			140			
			150			
			160			
			. 170			
			130			
V						
41			190			
			200			
17			220			
			The Arthur State of the State o			
	1.20	(A 53)	230	n de saint de Sant A La la saint de Sasta de la		
	1:30	60.53				
19 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2:00 2:30		270	dan ing talik ing		
	3:00	60.851	300 330	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		
ti .	3:30	60.93'	360			
	4:06		340			
V	4:30	61. 25' 61. 45'	420			

48

3.016	County_		.T. N.	RE.	ecWE	LL NO.
Personnel			Deillac			
acoset A 4	ALLU ODS. MOIL	awdown 2. Sin 5. Other (so	gle well recove	7 3. Drawdow	그 시간 기를 걸렸다면 하다.	well
Interval of scr	reen or perfor	Type of scr ation	een or perford	diameter tion Pump hp. (
Pump depthAltitude of land	ff. Aquifer		Aquifer lith	ology	a type	
Measuring point	below land su	rface elevatio		mined		
Altitude measu Static water le	ring point					
DATE	TIME			How measur	ed	
		DEPTH TO WATER LEVE		TIME SINCE PUMP OFF 11, MIN.	F ² / _† (DAYS)	S ₁ FT.
1/25/88	5:00	61.65	4-50			
	S:30	61.91	480			
	6:00	61.92'	510			
	<i>6:55</i>	61.95	540			
	7:48	61.37	São			
	9:35	61.11	600 B			
	11:36	61.20	720回			
	1:36 km	61.16	. 8401:30			
124/88			960			
			1080			
			1320			
1			1560			
			1800			
			2220			
27/88			2820			
			3240			
20100			3660			
20/88			4320			
			数字 医乳腺管 医神经神经神经神经神经神经神经神经神经神经神经神经神经神经神经神经神经神经神经		ARSOLVEN FROM	

LORAL #1 (capped w/accesshole)

4. Recovery Total well de Casing type Interval of sc Pump depth Altitude of lar Measuring poir	Single well drawith obs. well pthft. We reen or performed ft. Aquifer_nd surface	wdown 2. Sing 5. Other (spec ell diameter Type of scre- ition	le well recover ify)in. Casing en or perforaAquifer lithoHow detern	diameter tion Pump hp. &	with obs. w _in. k type	rell
	evel from meas			How measur	ed elec.	Sounder
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/t (DAYS)	S ₁ FT. RECOVERY
1/24/88	64m 0615	61.47	1245.0			
ų	1011	61.38	1481.0			
	2PM/402	62.06	1712.0			
N.	6 pm 1950	61.19	1940.0			
	9100					
127/88	7Am 0708	61.36	2738.0			
u	12 Nov 1148	61.80	3018.0			
и	60m 1747	62.25	3377.0			
/28/88	0708	61.48	4178.0			
	0900	61.40	4290.0			
	0915	61.72	4305.0			
	0930	61:35	4320.0			
·						
The second of the second						

DRAWDOWN DATA

Solinst - WLM 3 (TEFLON TAPE.)

Test type: I. 4. Recovery Total well de Casing type	Single well drowith obs. well pthft. v	wdown 2. Sing 5. Other (specification) Yell diameter_ Type of scre	Driller ple well recove cify)in. Casing ten or perfore	DATA R	Pumplu n with obs. i	g Test
			Actifor lith	nia.		
				mined		
Megsuring poin	t below land su	rface elevation				
Altitude measu	ring point			경험 최근 시간 교육이 구축하다 12 2일 - 200 교육 교육의 교육 기가 중국자		
Static water is	ivel from meas	suring point_5	6.39 e 9:26	AMHOW measur	ed Electric	Sounde
	TIME To= 9:30 an	DEPTH TO WATER LEVEL 56,35	TIME SINCE	TIME SINCE PUMP OFF 11, MIN.	r*/, (DAYS)	S, FT.
125/88	9:31	56.35				
		56.35	Z			
		56.34	3			
		56.35	4			
	9:35	56.35	5			
		56.36	6			
		56.38	7			
		56.40	. B.			
17		56.42	9			
	9:40	56.45	10			
.11		56.48	//			
A Comment		56.52	/z			
n i h en man i di k		56.57	13			
11		56.59	14			Harming St.
11	9:45	56.62	15			
4		56.65	16			
1		56.67	17			
11		56.73	18			
		56.76	19			
	9:50	56.78	20 .			
17		56.82	21			

Personnel			T	OATA RE., s	ecWEL	L NO.EMW
Test type: I			Driller			
Total well de Casing type Interval of so Pump depthAltitude of lar	with obs. well opthft. \ creen or perfoft. Aquife and surface	rawdown 2. Sing 1 5. Other (spec Well diameterType of screen	ify)in. Casing en or perforaAquifer lithHow deter	diameter itionPump hp. (in. B type	
Measuring poir Altitude meas Static water i	uring point			How measur	od.	
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	[*/ ₁ (DAYS)	S ₁ FT.
125/88		. 56.85	2-2			
		56.88	23			
		56.92	24			
	9:55	56.94	25			
N.		56.97	24			
10		57.00	27			
.,		57.03	28			
		57.05	21			
	10:00	57.07	30			
		57.21	35			
"	10:10	57.31	40			
		57.42	45			
	10:20	57.51	50			
		57.60	55			
1/	10:30	57.68	60			
1/		57.76	65			
11	10:40	57.82	70			
		57.89	75		51.4.	
"						
12	10:50	57.95	80			
	10:50					

StatePersonnel	County_	AQU rawdown 2, Sing	TDriller_	R. E.	SecWE	LL NO.EM
Total well do Casing type_ Interval of se	epthf1.	Well diameterType of scre	in. Casing en or perforc	g diameter Ition		
Altitude of lo	ft. Aquife		Aquifer lith	ology		
	above		How deter	mined		
Megsuring poli	hi below land i	jurface elevation				
Altitude meas	uring point					
Static water I				How measur	'0 0	
	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 1 ¹ , MIN.	r*/ ₁ (DAYS)	S ₁ F
125/48	11:10	. 58.17	100			
	11:20	58.27	110			
	11:30	58.34	120			
	11:40	58.42	130			
	11:50	58.51	140			
	12:00 pr	58.58	150			
	12:10	58.65	160			
	12:20	58.74	170			
	12:30	58.81	130			
V	12:40	58.87	190			
11	12:50	58.92	200			
	1:00 pm	59.02	210			
1.11	1:10	59.09	220			
	1:50	59.14	230			
	1:30	59.20	240			
	2:00	59.37	270			
	2:30	59.54	300			
	3:00	The state of the s	730			
	3:30	61.02	360			
V	4:00	61.31 3	90			
	4:30	61.52 4	120			<u> San ay</u> ya Maraka

EMW-J

State Personnel_	County				ecWEI	LL NO EMW-
Test type: 1. S	ITH ODS. WELL	wdown 2. Sing 5. Other (spec	cif v)	3. Drawdowi	그렇게 되었다.	velt
Interval of screen	een or perfor ft. Aquifer	_Type of scre ation	en or perford Aguifer lith	ition Pump hp. (B type	
Megsuring point	above land su	rface elevation		mined		
Altitude measur Static water les	ing point					
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r ² / ₁ (DAYS)	S ₁ FT.
1/25/88	5:00 pm	. 61.69	450			
	5:30	61.82	480			
	6:00		510			
	6:3 9	61.15	549			
11 8:10		60.63	570			
	7+30 pm	60.47	\$00 9:50			
<u>" 11;57</u>		60.40	72012			
	2:02 Am	60.33	. 840 W			
121/88			960			
			1080			
			1320			
			1560			
		The state of the s	1800			
27/88			2220			
			2820			
		15 N. A. W. C. (1987) 15 July 18	3240 3660			
20/88			4320			

· + 1 N Emw-1

ydrawdown 2. Singell 5. Other (special diameterType of screening for a surface elevation	Driller_ gle well recover cify)in. Casing een or perfora	ry 3. Drawdown	with obs. v	call
ell 5. Other (spe Well diameter Type of scre foration ifer	in. Casing on perfora Aquifer lith	diameter	in.	
Type of screen for a screen	en or perfora Aquifer lith			
fer	Aquifer lith		1 type	
Surface elevation	How deter	ology mined		
easuring point		How measur	ed elec. so	under
DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF t ¹ , MIN.	r²/ _† (DAYS)	S ₁ FT.
60.37	1262.0			
4 57.01	1494.0			
9 60.69	1729.0			
8 60.43	1958.0			
	2779			
9 60.37	2779.0			
4 60.81	3054.0			
7 61.08	3417.0			
60.54	4214.0			
				•
				•
				Project

DRAWDOWN DATA

WATER LEVEL INDICATOR MODEL 51453 SER, # 5109

Personnel <u>Oe</u> Test type: I. S 4. Recovery w Total well dep Casing type Interval of screen Pump depth Altitude of land Measuring point Altitude measur	ment/ Total Single well dro with obs. well th	MARICOPA MARICOPA MANICOPA MANICO	ah/ Driller Le well recover ify)in. Casing en or perforaAquifer litheHow determ	OPAL # 4 1. 3. Drawdown diameter_ tion_ Pump hp. 6 plogy_ mined_	Pumphi with obs. w _In. type	
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE		۳ ³ / _† (DAYS)	S ₁ FT.
1/25/88	9:31	54.36				
		54.35	2			
		54.36	3			
i i w		54.35	4			
	9:35	54.35	5			
V		54.36	6			
. • (• • • • • • • • • • • • • • • • •		54.36	7			
N.		54.37	. B			
		54.38	9			
	9:40	54.39	10			
		54,41	11	14 - 14 - 14 - 15 - 15 - 15 - 15 - 15 -		
4		54.42	/2			
		54.44	13			
		54.46	14			
	9:45	54.47	15			
		54.48	16			
		54.51	17			
		<i>5</i> 4. <i>5</i> 3	18			
		54.54	19			
4 9 10 8 11 1	9:50	54.56	20			
,,		54.57	21			

State	County	AQU	IIFER TEST	DATA RE.,	SecWE	LL NO.EM
	. Single well d with obs. we	rawdown 2. Sing	le well recove	3. Drawdow		well
'1be		Well diameter	an ar mandam			
	ALCOHOL:			하는 그들은 그리고 요즘 그리는 그리는 그리는 것이 없다.		
Altitude of lo	TT. Aquifo		Aquifer lith	ology		
Measuring pol	int above land	surface elevation	now deter	mined	4일 발흥 발생들이다. 일 사진 1회 - 1시 기	
	그 하는데 고래하다 다					
Static water	turing point	asuring point				
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE	TIME SINCE PUMP OFF	rs/ ₄	S _i F
1/25/20			t, MIN.	1ª, MIN.	(DAYS)	RECOV
1/25/08		54.60	22			
		54.62	23			
		54.63	24			
	9:55	54.64	25			
		54,67	24			
		54.69	27			
		54.70	26			
	16.00	54.72	27			
	10:00	54,73	30			
"	10:10	54.81	35			
	10.10	54.89	40			
	10:20	54.96	45			
		55.08	50			
"	10:30	55.13	<i>5</i> 5			
		55.19	60 65			
	10:40	55.22	70			
		55.27	75			
"						
<i>1</i>	10:50	55.21	530 I	기계들은 얼마를 하는데 얼마나를 보고 있는	are a superior of the settle of the	
	10:50	55.31 55.35	80 85 .			

	County_		7. N. S. '	RE.	SecWE	LL NO.EMW
Personnel			Driller			
4. Recovery	Single well dr	rawdown 2. Sin	gle well recove	3. Drawdow	n with obs.	well
Total well de	pthff. 1	Well diameter	in Casia			
		Type of scr	BEN or perform	tion .		
Pump depth	reen or perfo ft. Aquifo	ration		Pump hp.	8 type	
Altitude of la	nd surface		Aquifer lith How deter	ology_ miced		
Megsuring poin	obove land s	urface elevation				
Altitude meas	urios enies					
Static water t	evel from meg	suring point_				
DATE	TIME	DEPTH TO	TIME SINCE	How measur	<u>'0d</u>	
		. WATER LEVEL		TIME SINCE PUMP OFF	r*/,	S, FT.
1			t, MIN.	t ¹ , MIN.	(DAYS)	RECOVE
1/25/28	11:10 a	u. 55.46				
	11:20	55.52	110			
	11:30	55.58	120			
	11:40	55.63	130			
	11:50	55.67	140			
	12:00 gm	<i>55.</i> 73	150			
	12:20	55.77 55.82	160			
	12:30	55.87	- 170	(14년 - 14년 - 1 - 14년 - 14년 - - 14년 -		
v	12:40	55.90	130			
40	12:50	55.95	190			
	1:00 pm	55.98	210	설립 출시 수는 날 사 네트 역 기사는 상태자		
	1:10	56.03	220	Maria a di ila si Maria a sana wa		
	1:20	56.08	230			
	1:30	56.10	240			
	2:00		270			
17	2:30	56.34	300			
	3:00	56.73	730			
		57.01	360			
W.		The second second second	390 .			
	4:30	57.31	420			

(

Personnel Test type: I. S 4. Recovery w Total well dept Casing type Interval of scre	ingle well dra th obs. well hft. W	wdown 2. Sing 5. Other (special diameter Type of screation	Driller le well recover sify)in. Casing en or perfora	3. Drawdowr diameter	with obs. v	
Pump depthAltitude of land	ft. Aquifer		Aquifer lith	ology		
Measuring point	above land an		HOW deter	nined_		
Altitude measur Static water lev			2001 (1. 122 1971 - 121) 42 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	How measur		
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	[²/ ₁ (DAYS)	S ₁ FT.
1/25/88	5:00 pm	57.43	450			
l i	5:30	57.54	480		•	
	6:00		510			
	6:37	57.33	5497			
11 8:08	7:30	57.02	570			
11 9:50	7:30 pm	56.91	195 gg			
n 11:53	2:30	56,87	720 K3			
	2;00 An	56,84	. 840 T.30			
124/88			960			
			1080			
			1320			
			1560			
			1800			
			2220			
127/88			2820			
			3240			
			3660			
20/88			4320			
The second secon			the second secon			The state of the s

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EMW-Z

State_	County	AQU	UFER TEST	DATA RE.	Sec WF	NO.
1 . 6. 90111161			A 111			
Total well d	Single well dro with obs. well epthft. W	awdown 2. Sing 5. Other (spe /ell digmeter	ple well recove	ry 3. Drawdow		vella:
Pump depth_ 'Altitude of la	creen or perforft. Aquifer ind surface		Aquifer lith	Pump hp.	B type	
Altitude meas	nt above land su suring point level from meas					
DATE	and the second of the second o	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.	TIME SINCE PUMP OFF 11, MIN.	red <u>elec.</u> $r^{2}/_{\dagger}$ (Days)	S ₁ FT. RECOVERY
126/08	6:28	. 56.86'	1258.0			
¥	1024 1024	57.01	1494.0			
"	2Pm 1417	57.07	1727.0			
V	Crm 1806	56-62	1956.0			
	97~					
127/83	7Am 0746	56.90	2776.0			
'n	12 MOON 1222		3052. D			
.,	1825	57.34	3415.0			
1/28/88	0741	56.98	4211.0			
						•
Date				Project		

EMW-

	Personnel <u>Cl</u> Test type: I.	HUEW		rs.,	рата R. <u>/_</u> , s	ec. 16 WEL	.L NO.
1	lest type: I.	ement/Total	an Drosen do	ch/ Driller	LAMI #4	Pumpu	10 70
7. Recovery with obs. well 5. Other (specify) Total well depthft. Well diameterin. Casing diameterin. Casing typeType of screen or perforationPump hp. 8. type	4. Recovery	Single well draw	wdown 2. Singi	e well recove	ry 3. Drawdown	with obs. w	<u> </u>
Type of screen or perforation		with obs. well	5. Other (spec	ify)			
Interval of screen or perforation	Casing type_		Type of scree	in. Casing] Glameter	_in.	
Pump depth	interval of sc	reen or perford	ation		Pump hp. 8	1 type	
Megauring point below land surface elevation Altitude measuring point Static water level from measuring point 52.75 @ 9:14amHow measured Electric Sou DATE TIME TOWNATER LEVEL 1 25/88 10:00 am 52.73 30 10:30 52.74 60 11:30 52.73 100 11:30 52.73 100 11:30 52.73 100 11:30 52.66 180 11:30 52.65 270 12:30 52.65 270 13:30 52.66 300 2:00 52.63 270 2:00 52.63 270 2:00 52.63 270 2:00 52.63 270 2:00 52.63 270 3:00 52.66 390 4:00 52.66 390 4:00 52.67 400 5:00 52.67 400 6:35 52.74 570 6:35 52.75 570 9:48 7:30 52.75 606 130	Pump depth_	ft. Aquifer_		_Aquifer lith	ology		
Attitude measuring point Static water level from measuring point DATE TIME To 1/2 = 9130 1/2 = 88	and the second of the second o		the state of the first and the second state of the second		mined		
Static water level from measuring point 52.75 @ 9:14amHow measured Electric Sound Time Time Time Since To 9:30 water Level Pump on 1, min. 1, min. (DAYS) REI 1/25/88 /0:00 am 52.73 30 10:30 52.74 60 11:30 52.73 90 11:30 52.72 130 11:30 52.72 130 11:30 52.66 180 12:00 pm 52.67 210 12:30 52.66 180 12:30 52.66 230 22:00 52.61 300 22:00 52.62 230 23:30 52.60 360 360 32:00 52.61 390 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 52:00 52.75 570 570 52:00 52.75 570 52:00 52.75 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 52:00 52.75 570 570 570 52:00 52.75 570 570 570 570 570 570 570 570 570 5	Measuring poin	if below land su	rface elevation_				
DATE TIME To = 9130 Ann To = 9130 To =							
To = 9/30 MATER LEVEL PUMP ON 1, MIN. (DAYS) REI 1/25/89 10:00 am 52.73 30 1/0:30 52.74 60 1/1:00 52.73 90 1/1:30 52.72 150 1/2:00 52.65 180 1/30 52.65 270 1/30 52.65 270 2:00 52.63 270 2:30 52.64 300 3:00 52.62 330 3:00 52.63 400 4:30 52.63 400 5:00 52.63 400 5:00 52.63 400 5:00 52.63 400 5:00 52.63 400 5:00 52.63 500 5:00 52.64 500 5:00 52.67 570 6:35 52.75 570 9:48 7:30 pm 52.75 606 1:30		회 경우 사람이 되는 기반 역사를 하는 것 같아 된다.				ed Electric	Sou
1, MIN. 11, MIN. (DAYS) REI 1/25/88 10:00 am 52.73 30 10:30 52.74 60 11:00 52.73 90 11:30 52.72 100 12:00, 52.72 100 12:30 52.66 180 1:00 pm 52.67 210 1:30 52.65 240 2:00 52.63 270 2:00 52.63 300 3:00 52.60 360 4:00 52.61 390 4:30 52.62 400 5:30 52.63 400 5:30 52.63 400 5:30 52.63 400 6:35 52.74 540 6:35 52.74 540 6:36 7:30 pm 52.75 606 130	DATE			Explore Block to the Steel Co.		r²/,	S,
1/25/89		10-7150 an		t. MIN.			REC
10:30 52.74 60 11:00 52.73 90 11:30 52.72 130 12:30 52.66 180 130 52.67 310 130 52.65 340 2:00 52.63 370 2:30 52.64 300 3:00 52.62 330 3:30 52.60 360 4:00 52.61 390 4:30 52.62 420 5:30 52.63 480 5:30 52.63 480 6:35 52.74 540 6:04 52.75 570 9:48 7:30 pm 52.75 6061:30	1/25/88	10:00 am	52.73				
$1/: 00$ 52.73 90 $1/: 30$ 52.72 150 $1/2: 00_{m}$ 52.72 150 $1/2: 30$ 52.66 180 $1: 30$ 52.67 210 $1: 30$ 52.67 210 $1: 30$ 52.65 270 $2: 00$ 52.63 270 $2: 00$ 52.64 300 $3: 00$ 52.62 330 $3: 00$ 52.62 330 $3: 00$ 52.60 360 $4: 00$ 52.61 390 $4: 30$ 52.62 420 $5: 30$ 52.63 420 $5: 30$ 52.63 420 $5: 30$ 52.63 52.63 52.63 52.63 53.63 $53.$							
11:30 52.72 130 12:00, 52.72 150 12:30 52.66 180 1:30 52.67 210 1:30 52.65 240 2:00 52.63 270 2:30 52.61 300 3:00 52.62 330 3:30 52.60 360 4:00 52.62 420 5:00 52.61 450 5:00 52.61 450 5:00 52.61 450 6:35 52.74 570 9:48 7:30 pm 52.75 6061:30							
13:00,		The state of the s	The Book of the control of the contr	Maria de la composición della			
12:30 52.66 180 1:00 pm 52.67 310 1:30 52.65 ayo 2:00 52.63 270 2:30 52.61 300 3:00 52.62 330 3:30 52.60 360 4:00 52.61 390 4:30 52.62 420 5:00 52.61 450 5:30 52.63 480 6:35 52.74 570 9:48 7:30 pm 52.75 606 1:30			TOTAL TO BUILDING COMMISSIONS				
1:30 52.67 210 1:30 52.65 240 2:00 52.63 270 2:30 52.61 300 3:00 52.62 330 3:30 52.60 360 4:00 52.61 340 4:30 52.62 420 5:30 52.63 420 5:30 52.63 480 6:35 52.74 540 6:35 52.75 570 9:48 7:30 pm 52.75 606 1:30				180			
2:00 52.63 070 2:30 52.61 300 3:00 52.62 330 3:30 52.60 360 4:00 52.61 390 4:30 52.62 400 5:00 52.61 450 5:30 52.63 480 6:00 52.74 540 6:35 52.74 540 9:48 $7:30$ pm 52.75 606 $9:30$		1:00 pm	52.67				
2:30 52.61 300 $3:00$ 52.62 330 $3:30$ 52.60 360 $4:00$ 52.61 390 $4:30$ 52.62 400 $5:00$ 52.61 450 $5:30$ 52.63 480 $6:00$ 52.74 540 $6:35$ 52.74 540 $9:48$ $7:30$ m 52.75 606 $9:30$		1:30	52.65	- a yo			
3:00 52.62 $3:30$ $3:30$ 52.60 360 $4:00$ 52.61 390 $4:30$ 52.62 420 $5:00$ 52.61 450 $5:30$ 52.63 480 $6:00$ 52.74 510 $6:35$ 52.74 590 $9:48$ $7:30$ 52.75 606 $9:30$		2:00	52.63	<i>8</i> 70			
3:30 52.60 360 $4:00$ 52.61 390 $4:30$ 52.62 420 $5:00$ 52.61 450 $5:30$ 52.63 480 $6:35$ 52.74 590 $6:35$ 52.74 590 $9:48$ $7:30$ pm 52.75 606 $9:30$		2:30	52.61	300			
3:30 52.60 360 $4:00$ 52.61 390 $4:30$ 52.62 420 $5:00$ 52.61 450 $5:30$ 52.63 480 $6:35$ 52.74 590 $6:35$ 52.74 590 $9:48$ $7:30$ pm 52.75 606 $9:30$		3:00	52.62	330			
4:30 52.62 420 5:00 52.61 450 5:30 52.63 480 6:00 52.74 510 6:35 52.74 540 6:04 55 52.75 570 9:48 7:30 pm 52.75 606 9:30		3:30	1807. 111. 11	360			
5:00 52.61 450 5:30 52.63 480 6:00 52.74 510 6:35 52.74 390 6:04 55 52.75 570 9:48 7:30 pm 52.75 606 9:30		4:00	52.61	390			Christia
5:30 52.63 480 6:00 52.74 510 6:35 52.74 540 6:04 55 52.75 570 9:48 7:30 pm 52.75 606 9:30		4:30	52.62	400			
6:35 52.74 510 6:35 52.74 540 8:04 55 52.75 570 9:48 7:30 pm 52.75 606 9:30		5:00	52.61	450			
6:35 52.74 540 6:04 55 52.75 570 9:48 7:30 pm 52.75 606 9:30		5:30	52.63	480			
6:04 52.75 570 9:48 7:30 pm 52.75 606 9:30		6:00 -	52.74	-\$10			
9:48 7:30 pm 52.75 608 9:30		6:35	52.74	(540)			
9:48 7:30 pm 52.75 608 9:30	6:04	-0150					
			ベファビ	100			

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EMW-3

State	County_	AQL	JIFER TEST	DATA RE.	Sec We	
Total well d	epth	awdown 2. Sing 5. Other (spe Vell diameter	ple well recover cify)in. Casin	ery 3. Drawdow g diameter	in.	well
Interval of s Pump depth_	creen or performer.	ration_		Pump hp.	B type	
Altitude of lo	ind surface		Aquiter lith	ology		
	m pelow land si	urface elevation				
Altitude mea: Static water	suring point <u>el</u> level from mea:	Buring point				
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.	How measur TIME SINCE PUMP OFF	12/t	S, FT.
126/88	Late 6:26	52.77	1256.0	t ¹ , MIN.	(DAYS)	RECOVERY
	10:24	52.80	1494.0			
4	2 pm 1419	52.66	1729.0			
и:	6 Pm 1809	-0.7	1959.0			
1/	1Pm				•	
7/88	7mm 0752	52.80	2782.0			
W.	12 News 1225	52,74	3055.0			
4	9tm 1829	52.72	3419.0			
28/88	0745		4215.0			
10/						
·						
			Article and the second of the		2	

Personnel	Single	MARICOPA rawdown 2. Sin	Driller_	LOPAL #4	Pumpin	LL NO. <u> </u>
						well
total Mell (sepinff.	Well diameter	in Casta	g diameter_	in.	
Interval of	screen or perfe	Type of scr oration	een or perfor	Stion		
Altitude of L	ft. Aquifo	oration_ br_	Aquifer litt	ology		
Measuring no	int above		How deter	mined		
	"" below land	surface elevation				
Altitude med Static water	suring point					- 왕기 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 :
DATE	TIME	suring point		How measur	ed Silinst	
		DEPTH TO WATER LEVEL		TIME SINCE PUMP OFF 11, MIN.	Γ ² / _† (DAYS)	S ₁ FT.
125/88	931	56.05605				
1 x 10	732	56 056.20	2			
	933	55. 90	3			
	934	55.75	4			
	935	55,65	5			
4	9.76	55.55	6			
	937	55.45	7			
	938	58,36	В			
	939	55.27	9			
	940	55.23	10			
N.	941	55.19	11			
	942	55.17	/2			
11	943	55.12	13			
. n	944	55./0	14			
	945	55.10	15			
•	946	55.10	16			
	947	55.35	17			
	948	55.58	18			
	949	55.87	19			
	950	56.20	20 .			
	951	56.36	21			

State	Count		JIFER TEST	RE.	Sec. WE	LL NO
Letablide						
Total well	depthft	drawdown 2. Singell 5. Other (spe Well diameter	ple well recover	ers 3. Drawdow		well
Interval of	SCIOON OF DOS	Iype or scr	en or perfor	ation		
Pump depti	ft. Aqui	for	Aquifer litt	Pump np.	a type	
Allitude of	land surface		How deter	mined		
Megsuring p	oint above land	surface elevation				
Altitude me	asuring point					
Static water	level from mo	easuring point		How measu		
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.		r2/1 (DAYS)	S ₁ FT
125/08	952	56.50	2-2			
11	953	56.60	23			
1	GRY	56.45	24			
	955	56.26	25			
И	956	56.18	24			
	957	56.40	27			
11	9572	55.97	28			
.,,	9.79	55.90	29			
"	1000	55.88	30			
u	1005	55.70	35			
"	10/0	56.40	40			
	1015	56.80	45	에 가고 있습니다. 그런 그리 (2) - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12		
"	1020	56.30	50			
	1025	56.13	55			
	1030	56.30	60			
10	1635	57.40	65-			
"	1040	56.80	70			
11	1045	56.50	75			
11	115		80			
	1055	57.5	85.			
	1100	57.22	90			

Stote	Cou	AQ nfly	UIFER TEST	DATA R E	Sec	
Personnel_			neillae			LL NO.
Test type:	I. Single wel	I drawdown 2. Sin	gle well recove	ery 3. Drawdow	a with abo	
	7	well J. Ciner len			化化二基二甲二基代化亚基二甲基二基	Well
Casing typ	o o o	it. Well diameter_	in. Cosin	g diameter	_in.	
Interval of	screen or po	Type of scr erforation	een or perior	Olion Dima ba		
Pump dept	1. Aq	uifer	Aquifer lith	ology	a type	
MILLINGE OT	land surface		How deter	mined		
Heasuring p	point above lar	nd surface elevatio				
Altitude me	asuring point					
tatic wate	r level from	measuring point_		How measur		
DATE	•	DEPTH TO WATER LEVE		TIME SINCE PUMP OFF 11, MIN.	r²/ ₁ (DAYS)	S ₁ FT.
125/29	8 1110	56.60	100			
"	1120	57.60	110			
	1/30	56.90	120	**************************************		
4	1140	58.03	130			
	1150	57.15	140			
	1200	58 35	150			
	1210	57.45				
	1220	58.25	110			
	1230	57.72	130			
7	1240	57.50	190			
•	1259	57.95	200		1999-1991 1991-1991 - 1991	
,	1370.	57.85	210			
	/3/•	58,35	220			
	1320	57.75	230			
1.4	1330	58.60	240			
"	1400	58.12	270			
1/	14.90	59.30	300			
le la	1500	58.53	730			
w	(53)	58.62	360			
•	1600		390 .			
	1630	The second secon	420			

Total well de Casing type_ Interval of sc Pump depth_ Altitude of lan	Single well dr with obs. wel pthft. reen or perfoft. Aquife id surface	rawdown 2. Sin 1 5. Other (spe Well diameterType of scr wation	Driller_ gle well recove pcify)in. Casing een or perforeAquifer lithHow_deter	g diameter ption	n with obs. in:	
Measuring poin Altitude measu Static water le	t above land a ring point	ourface elevation		How_measur		
DATE	TIME	DEPTH TO WATER LEVE		TIME SINCE PUMP OFF 11, MIN.	r*/ _† (DAYS)	S _I FT.
1/25/88	1700	59.1	450			<u> </u>
	1730	59.25	480			
	1800	59.35	510			
	1930	59.70	540			
<u>u</u>	1900 7:48	59.73	570			
	9:40 1930 1254	59.92	600			
) (11:47	58,87	720			
	248 1:43 MM	59.30	SAD			
124/88	245 130		910			
	2430 330		1080			
	730		1320			
11	1/30		1560			
	1530		1800			
	2230		2220			
27/88	830		2820			
	153.		3240			
	2230		3660			
20/88	936		4320			
						operation of the second se

DATE	TIME	DEPTH(P)	TIME SINCE PUMP ON (min)
1-25-88	1515	59.55	345
1-25-88	1545	59.55	375
1-25-88	1615	5960	405
	1850	60.10	

.2 \$. 5

Sidie	County_		JIFER TEST T. N.	RE.	SecWE	LL NO
Test type: 4. Recovery Total well Casing type Interval of Pump depth Altitude of 1	I. Single well dr y with obs. well depthft. v screen or performer. ft. Aquiferand surface	awdown 2. Sing 5. Other (spe Vell diameter_ Type of scre ration	Driller_ gle well recove cify)in. Casing ten or perforeAquifer lith	ery 3. Drawdow g diameter ation	n with obs. in.	and the first of the second of
Altitude mea	int above land si below suring point level from mea	urface elevation				
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.	TIME SINCE PUMP OFF 11, MIN.	red_elec. r2/t (DAYS)	Sounder S ₁ FT. RECOVERY
126/88	6Am 0606	59.19	1236.D			
	1005	59.35	1475.0			
	2Pm 1355	59.83	1705.0			
	6PM 1743	59.05	1933.0			
	9Pm 0707	60.08				
127 /38	7AV 0702	60.08	2732.0			
	12 Novy 1/42		3012.0			
<u>u</u>	6 pm 1741	/	3371.0			
128/88	7 AM 0702		4172.0			
ate						
		_ I		Project		· · · · · · · · · · · · · · · · · · ·

DRAWDOWN DATA

Personnel	Single well dirith obs. well othft. een or perfoft. Aquife surfaceabove land a	AQU MARICOPA rawdown 2. Sing 1 5. Other (spec Well diameterType of screen oration surface elevation	Driller_L le well recove cify)in. Casing en or perforaAquifer lithHow deter	or + 4 ry 3. Drawdown diameter tion Pump hp. 1	Pumplic with obs. i	Test
Altitude measus Static mater le						
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE	TIME SINCE PUMP OFF 11, MIN.	red <u>elec. so</u> r ² / ₁ (DAYS)	S ₁ FT. RECOVERN
125/88	0931	57.45				
	0932	57.59	2			
	0933	56.60	3			
	0934	56.46	4			
1	0935	56.23	5			
	0936	56.12	6			
	0937	55.97	7			
n en	0938	55.90	. B			
	0939	55.82	9			
	0940	55.70	10			
.11	0941	55.63	"			
N	0942	55.55	/2			
u	0943	55.54	13			
	0944	55.51	14			
	0945	55.50	15			
	0946	55.82	16			
	0947	56.61	17			
"	0948	56.80	18			
31	0949	57.17	19			
4	0950	57.56	20 .			
				<u></u>	とした いたたい しょうけんえい	

State AZ	County	MARICOPA IS	UIFER TEST	DATA ,RI	Sec. <u>16</u> wE	LL NO.
Test type: 1	Single well d	S rawdown 2. Sing	Driller_	LORAL #4 P	rump Test	
4. Recovery	with obs. we	II 5 Other less	-14.7	ery 3. prawdow	n with obs.	well
ioidi Matt 86	rprnff_	Well diameter		g diameter		
Interval of so	7000 or aced		ren or perfor	ation		
Pump depth_	ft. Aquif	oration or	Acuite- un	Pump hp.	& type	
Altitude of lar	nd surface		How deter	mined		
Measuring poin	above land	surface elevation				
Altitude measi						
Static water le	evel from med	suring point_	57.05			
DATE	TIME	DEPTH TO	TIME SINCE		red elec. sound	er
		MATER LEVEL	PUMP ON	TIME SINCE	r²/,	S _I F1
			1, MIN.	1 ¹ , MIN.	(DAYS)	RECOVE
25/08	0952	57.95	2-2			
	0953	57.35	23			
	0954	57.12	24		보다 선물이 500명이다. 즐겁게 하는 물로 보다.	
	0955	56.80	25			
<u> </u>	0956	56.61	24			
	0957	56.52	27			
	0958	56.50	28			
.,,	0959	56.34	29			
	1000	56.37	30		<u> </u>	
	1005	56.16	35			
7	1010	57.67	40			
	1015	57.55	45			
,,	1020	56.83	50			
	1025	56.61	55			
/	1030	57.12	60			
	1035	58.62	65			
	1040	57.32	70			
	1045	57.00	75			
	1050		30			
	1055	58.88	B5 .			
7	1100	The second secon	90			

(-

Test type: S	Stanta wall de	rawdown 2. Sing	Driller			As (1963)
T. RECOVERY W	rith ods. Wel	15. Other (spec	cify)			well
Total well dep	thft. \	Well diameter_	in. Casino	g diameter	in.	
interval of scr	een or perfo	Type of scre	en or perford	ation		
Pump depth	ft. Aquife		Aquifer lith	clogy	B Type	
Altitude of land	surface	1	How deter	mined		General
Measuring point	above land a	surface elevation				•
Altitude measur	ring point			40 7 1 1 1 1 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
Static water les	vel from med	suring point		How measu	red	
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 1 ¹ , MIN.	r*/ ₁ (Days)	S: REC
1/25/28	11(0	57.08	100			
	[120	58.28	110			
	1130	57.35	120			
	1140	58.79	130			
	1150	57.59	140			
	1200	59.68	150			
,	1210	57.74	160			
	1220	59.33	170			
u	1230	58.11	130			
y	1240	58.75	190			
	1250	58,53	200			
	1300	58:91	210			
<u>u</u>	1310	<i>58.85</i>	220			
	1320	58.54	230			
	1330	59.03	240			
	1400	58.52	270			
	1430	60.05	300			
	1500	58.94	<i>730</i>			
	1530	59.00	360			
	1600	59.15	390 .			

vot

Total well de Casing type_Interval of se Pump depth_Altitude of la Megsuring pois	Single well diwith obs. well epthft. creen or performed ft. Aquife and surface above land a uring point	rawdown 2. Sin I 5. Other (spe Well diameter_ Type of scri pration_ ir purface elevation	Driller_gle well recovered by the control of the co	g diameter gtion Pump hp.	n with obs. in. & type	The second of the second of the second of
Static water I	evel from med	suring point		How measu		
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/; (DAYS)	S ₁ FT.
125/88	1700	. 59,52	450			
	1730	59.69	480			
n i	1800	59.90	510			
	/830	59.80	540			
	1850 1900	61.51	570			
	1455 1930	61.33	600			
	9:32/30	61.13	720			
	11:42350	59.33	840			
24/88	1:40/30	60.09	940			
	-033 0		1080			
	0730		1320			
	1/30		1560			
	1530		1800			
	2230	Ż	220			
27/88	0830		1820			
	1530		3240			
	2230		660			
0/88	0930		320			
	自我的医院等的过去式和					

NW-2 TIME SINCE (min.) DEPTH DATE TIME (1+25-88 345 1515 60.28 375 61.00 1-25-88 1545 58,75 390 1600 405 1615 59.60 1615 60-29 405

2. JN

State	County		IFER TEST (RE. s	ec WEI	I NO
Personnel	Najari Rijir di Saci		0-:11			
Test type: 1.	Single well dro	wdown 2. Sing	le well recove	ry 3 Drawdow	n with obs. v	vell
	MICH ODS. MEIL	J. Uther (spec	CITV)			
Casing type_	epthf1. W	_Type of scre	In. Casing	diameter	_in.	
milet Ant Of 2	craen or perior	ดเเอก				
Pump depth_ Altitude of lo	ft. Aquifer	(1945년) 그는 그는 것 같아. (1947년) 1일 (1947년) - 1947년	Aquifer lith	ology		
	above		How deter	mined		
wadzariud boi	int above land su	irface elevation				•
Altitude meas	suring point					
	level from meas			How measur	ed eleci	Sounder
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON t, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/ _† (DAYS)	S ₁ FT.
126/88	64m 0609	61.02	1239.0			
<u> </u>	10Am 1003	59.79	1473.0			
	2Pm 135B	61.70	1708.0			
ч	GPM 1745	59.42	1935.0			
	705-					
27/88	7Am 0704	60.34	2734.0			
v .	12 Man 1144	59.66	3014.0			
Y	6Pm 1744	60.63	3374.0			
28/88	0704	60.15	4174.D			
						r. 91
•						
	The second of th					
						•

DRAWDOWN DATA

Total well dep Casing type	thft. ten or perform ft. Aquife surface above land a below	surface elevation	in. Casin en or perfor Aquifer lithHow deter	g diameter otion	in.	
Static water lev	el from mea	suring point 50	. 8.5	How measur		
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE		r²/ ₁ (DAYS)	S, FT.
125/88						
			2			
			3			
			4			
			5			
			6			
			7			
			В			
			9			
			10			
vicini			11			
<u> Steiner i de regis</u> ver de Salvey i de La la la companya de			/2			
			13			
			14			
			15			
			16			
			17			
			18			
			9			
			20 .			
A Company of the Company			21			

State	County		IFER TEST	R. E.	Sec WE	NO.
Lat souvel		보이 나 나는 것이 하여 없다.	Deillan			
Total well de Casing type_ Interval of sc	pthft.	rawdown 2. Sing II 5. Other (spec Well diameter Type of screen	le well recoverify) in. Casing en or perforce	g diameter	in.	
Pump depth_ Altitude of lan	ft. Aquife d surface		Aquifer lith How deter	ology mined	a type_	
Megsuring poin	above land a	surface elevation				
Altitude measu	ring point_					
Static water le	ivel from med	suring point		How measu		
DATE	1. A 44 P. L. B. M. S. M. M. L. B. M. L	DEPTH TO MATER LEVEL	TIME SINCE	TIME SINCE PUMP OFF 11, MIN.	r²/ ₁ (DAYS)	S, FT.
125/08			2-2			
			23			
			24			
			25			
- 10 · · · · · · · · · · · · · · · · · ·			24			
			27			
			28			
			29			
	1000	50.85	30			
			35			
"/			40			
			45			
			50			
			55			
	1030	50.87	60			
			65			
<i>!</i> /			70			
<u>"</u>			75			
<i>y</i>			30			
			B5 .			
	1100	50.86	90			

State	County		JIFER TEST I	R. E.,	SecWEI	L NO
Total well Casing typ	depthft.	Irawdown 2. Single 15. Other (spe Well diameter Type of screen	ciry) in. Casing	g diameter	in.	
Altitude of Megsuring p	land surface point above land	ersurface elevation	Aquifer lith How deter	Pump hp. ology mined	& 1ypo	
Static water	asuring point_ r level from me					
OATE	TIME	DEPTH TO WATER LEVEL	1	TIME SINCE PUMP OFF 11, MIN.	red r²/; (DAYS)	S ₁ FT.
125/29	3		100			
4			110			
	1130	50.91	120			
			130			
<u> </u>			140			
	1200	30.80	150			
			160			
"			- 170			
<u>u</u>	/230	50.83	130			
y			190			
11			200			
· ·	1300	50, 82	210			
11			220			
1,			230			
	/330	50.74	240			
4	1400	50.70	270			
1/	1430	50.72	300			
li .	1500	50.72	330			
i i	1530	50.67	360			
	1600	The state of the s	390 .			
tv .	1700	10011				

State	County_		JIFER TEST (. ε. _ε	las WEI	
Personnel			Driller	물이 살고, 뭐 그리는 나는 그를 하지만 .		SE NU.
Total well dep	ithft. v	awdown 2. Sing 1 5. Other (spe Well diameterType of scre	gle well recove cify)in. Casing een or perford	of 3. Drawdow diameter_ otion	in.	
. auch gebitf	ii. Aquite		Aquifor lith	alaav		
	그 사하하지 않는 그리고 보다를 모든 것 같습니다.	the first of the second		mined		
그 그는 그 이 시간에 나를 다시 한 생생님,		urface elevation				
Altitude measur						
Static water in	Fig. 4 St.			How measur	' 6d.	
	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 1 ¹ , MIN.	r²/ ₁ (DAYS)	S, FT.
1/25/88	1700	. 50.77	450			
	/730	50.72	480			1
	1890	50.75	SID			
	1830	50,75	540			
<u>u</u>	1850	50,75	£76-			
	1952	50,75	400			
×	9:42	50.18	720			
	11:43	50.79	840			
124/88	1:47 Au	50,78	960			
			1080			
•			1320			
			1560			
11			1800			
			2220			
27/88			2820			
			3240			
			3660			
20/88			4320			

6MW-3

Test type: I 4. Recovery Total well of Casing type Interval of Pump depth Altitude of I Megsuring po	. Single well dra y with obs. well depthft. W screen or perforeft. Aquifer and surface bint above land su	wdown 2. Sing 5. Other (special diameterType of screation rface elevation	Driller_ ple well recove cify)in. Casing ten or perfordAquifer lithHow deter	ry 3. Drawdowi	with obs.	well
Altitude med Static water	suring point_ level from meas					
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	od <u>elec.</u> r²/t (DAYS)	S ₁ FT. RECOVERY
126/38	6m 0604	50.84	1234.0			
ų	Hepm 1007	50.88	1478.0			
•	2Pm /354	50.78	1704.0			
	6 Pm 1740	50.74	1930.0			
	91m 0700	50.80				
127/88	7Am 0700	50.80	2730.0			
٧	12 Mount 141	50.85	3011.0			
	6An 1739	50.78	3 369.0			
128/88	0700	50.80	4170.0			
	1					

DRAWDOWN DATA

50 -15,28 160n

Personnel ADA	WR- FC, 6	MARICOPA SB rawdown 2. Sing	Driller_	LOPAL #4	Pumpin	gTest
		II J. VINET ISDEC	CITYI	경기 등 등 등 기계 등 하는 그는 물리를 가고 있다.		Well
Total well dep	oth the state of t	Well diameter	in. Casing	odical in the second	1 출시하다는 보이는 보고 된다.	
Interval of scr	een or perfo	oration	dn or perior.	Pump hp.	8 type	
bbii(II. Aquite	oration_ rr	Aquifac lish	halası		
[1] 전 : 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1		surface elevation				
一年記載作品、資本、「飲食」、「食物」の表現。						
Altitude measur Static water les	vel from mer	usuring point $\underline{\varphi}$	12.14			
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE		r ² / ₁ (DAYS)	Si FT. RECOVER
125/88	930	48,14				
			2	MIAMA	ments ta	1. 5.5
			3	intervals	unless o	Warris a
			4	marked	and the second s	PRIVITE
		Ø	5			
			6			
		g og sykere i kritiske til det skriver og sk Kritiske skriver og sk	7			
		The state of the s	. 8			
			9			
			10			
			/2			
			. 13			
	M. Ic	10.7	14			
	945	48.17	15			
			16			
1/			17			
		Alain As paratal ca Designation and	18			
y			20 :			
1.	All and the Control of the Control o		21			

3L_{1.51} 63.42

63.42 15.28 48.14 CAST 9 1.51F4

Test type: 1. 3 4. Recovery w Total well dep Casing type Interval of scr	Single well derith obs. well of the or perfe	rawdown 2. Sin 15. Other (sp. Well diameterType of screen	in. Casin reen or perfor	g diameter_	Pumping n with obs	Test mell
Pump depthAltitude of land	surface		Aquifer lith	lology		
Megsuring point	above land		now deter	mined		
	e a mining Albania		M			
Altitude measur Static water les	and boint		210 121			
DATE	TIME			How measur	od Flection	Sounde
			TIME SINCE L PUMP ON t, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/; (DAYS)	S _I FT.
125/88			2-2			
			23			
			24			
			25			
			24			
			27			
			28			
			. 29			
		48.10	30			
		48.08	35			
		48,10	40			
		48.06	45			
		48,12	50			
7	11000	48.11	55			
	48.13		3 60			
7		48.18	65			
		40,92	70			
//		48.16				
		44-17	80			
		48,83	85 . 90			
		110001	10			•

Test type: I. Si 4. Recovery wi Total well dept Casing type Interval of screen	ingle well drift obs. well	Maricopa Table 15. Other (specific text) Well diameter Type of screen	Driller le well recove cify)in. Casing en or perford	r 3. Drawdown diameter tion	Pumping with obs.	rest vall
Pump depthAltitude of land	II. Aquite		Aquifer lith How deter	ology	보고 말라고 !!! !!! !!! !!!! !!!! - : : : : : : : : : : : : : : : : : : :	
Megsuring point	医多糖 医乳腺性溶液 化二氯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基					
Altitude measuri		하는 것이 아이들에게 다꾸지 않다.				
Static water lev	el from med	suring point	48.141	How manage	as Elector	· (0-1 - //
DATE	TIME	Security of the Children of the Control of the Cont	TIME SINCE		r²/† (DAYS)	S ₁ FT.
125/08		48.18	100			
		48.19	110			
•		48.14	120			
		48.18	130			
		48,14	140			
		148.14	150			
		48.14	160			
		48,14	. 170			
		48.14	130			
		48.16	190			
		48.15	200			
		46	210			
		/	220			
		$\mu_{\rm V}$	230			
		48.13	240			
		48.12	270			
11		48.15	300			
11		48,16	730			
		48,21	360			
W. Alexander		48,22	390 .			
	4:32		420			

. .

d,

Test type: 1. 5 4. Recovery w Total well dep Casing type Interval of scr	Single well drivith obs. well thft. v	awdown 2. Sin 5. Other (spe Vell diameter_ Type of scr	ngle well recoveredity) in. Casing the control of	DATA R	n with obsin.	
			How deter	mined		
Megsuring point			n			
Altitude measur Static water lev	ing point rel from mea:	uclos in A	(14 14			
DATE	TIME	DEPTH TO			ed Electric	Sounder
		WATER LEVE		TIME SINCE PUMP OFF 11, MIN.	r²/ ₍ (DAYS)	S, FT.
1/25/88	5102	. 48,27	450		50 50 50 50 50 50 50 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
	5:33	48.22	480			
	6:23	47.62	512			
	8:25	47.64	540			
	10:11	47-63	57024			
	12:12	47.63	600 H30			
	Z:19Am	47.63	720厘			
			.840			
121/88			910			
			1080			
			1320			
			1560			
			1800			
/00			2220			
27/88			2820			
			3240			
			3660			
20/88			4320			

(

casing type_	pthft. pue reen or perfo ft. Aquife	Well diamy Type pration	er (spec meter_ of scre	in. Casing in. Casing in or perfore Aquifer lith	oracle # 4 oracle	in	
Megsuring poin Altitude measu Static water l	uring point						
DATE	TIME	DEP.	TH TO	TIME SINCE PUMP ON 1, MIN.		<u>ور حدود ۱۳</u> ۲۰ (DAYS)	S ₁ FT.
125/88		0.0					
<u>u</u>		0.0		2			
		+1.0		3			
		+1.0		, 4			
		+1.0		5			
		+0.3		6			
tr -		+0,75		7			
W S		+0.84	48.46	. 8			
		+0.75		4)			
<u> </u>		+0.00	<u> </u>	10			
-11	0941	PESET	48,47	11	* measurene	nt taken	coused the
٧				/2	as reference	2 har cest	Smarre
10				13			
		74.		14			
				15			
	0946	- 4	18.42	16			
				17			
	0948		18.42	18			
	0949		18.37	19			
Y	0950		8.37	20 .			
1/	0951		18.36	21			

Personnel ADUR - MW, 6B Driller Local No. 4 Pumping Test Test type: I. Single well drawdown 2. Single well recovers 3. Drawdown with obs. well 4. Recovery with obs. well 5. Other (specify) Total well depthft. Well diameterin. Casing diameterin. Casing typeType of screen or perforation Interval of screen or perforationPump hp. 8 type Pump depthft. AquiferAquifer lithology Altitude of land surfaceHow determined Measuring point above land surface elevation/, 55 Altitude measuring point										
		DEPTH TO	TIME SINCE	TIME SINCE	ed <u>Electric</u> r²/1	Sounder Si FT.				
		REF 48.47	t, MIN.	PUMP OFF	(DAYS)	RECOVER				
125/08			22							
••	0953	49.37	23							
	0954	48.38	24							
	0955	48,36	25							
11	0956	49.38	24							
	0957	48,36	27							
11	0958	48.38	28							
	0959	48.38	29							
4	0960	48.38	30							
·•	1005	48.36	35							
"/	10 10	48,36	40							
	10 15	48,33	45							
.,	1026	48.33	50							
	1625	48.35	55							
"	1036	48.34	60							
,	1035	48.38	65							
17	1040.	48.37	70							
11	1045	48, 36	75							
1/	1050	48,36	30							
	Electric Control of the Control of t	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
4	1055	48.36	85 .							

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	Count	Maricopa	UIFER TEST	DATA R. <u>/</u>	Sec //a WE	
THE THE	K MO.	(+15	O-til	I soll AL 11	A -	
		SIGNOUNI E. SII	Kus well receive	Bry 3. Drawdow	Pumping	<u>lest</u>
	'''' VUS. WI	FII J. UTREF (SD	ecity)			
Casing type		Well diameter_ Type of sci	in. Casin	g diameter	_in.	
	Juli Of Del	roration	교원 그렇다면 그렇게 살아 살아 있다. 남기의	기계 문항을 받으면 하는 것이 그렇게 되었다.	the grade of the control of	
Pump depthAltitude of land	ft. Aqui	(or_	Aquifer litt	ology		
	surface	er de la	How deter	mined		
Megsuring point	below land	surface elevatio	n_ <i>~/,55′</i>			
Altitude measur						
Static water lev	el from mo	easuring point_B	ef 48.47'	How measu	red Electr	Tc Sam
DATE	TIME	DEPTH TO		TIME SINCE		
		: WATER LEVE		PUMP OFF	7.	S _i F1
1/25/28			1, MIN.	II. MIN.	(DAYS)	RECOVE
		. 48.37 48.37				
		48.40	110			
		48.41	130			
		48.42	140			
		48,44	150			
		48.45	774 (30.59.7)	<u> </u>		
		48.46	110	41. 12. 12. 12. 13. 13. 14. 15. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19		
		48.45	130			
W. San		48,47	190			
		48.47	200			
		48,48	210			
u		48.50	220			
		48.52	230			
		48.53	240			
		48,61	270			
		48.64	300			Agus Aile Line. Agus Agus Cair
10	3:01	48,70	330			
	3:32	48.75	360			
	11100					
	4:03	48.81	340 .			

4. Recovery was Total well dep Casing typeinterval of scr Pump depthAltitude of land	single well drifth obs. well drifth obs. well other fit. It was a second or performance fit. Aquife of surface fit.	i 5. Other (spe Well diameter_ Type of scr ration r	gle well recove pcify)in. Casing een or perforcAquifer lithHow deter	diameter itionPump hp.	in.	well
Measuring point Altitude measur Static water le	ing point			7 ⁷ How measur	og Elontri	Comparido
DATE	TIME	DEPTH TO	TIME SINCE PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r²/ ₁ (DAYS)	S ₁ FT.
125/88	5:01	48.93	450			
	5:29	49,07	480			
	6:25	48.98	SID			
	8:27	49.13	540			
u	10:13	49.21	570A			
4.11	12:H	49.21	600 A			
) (2:23	49,21	7201:90			
			SAO			
24/88			960			
· ·			1080			
			1320			
11			1560			
,1			1800			
			2220			
27/88			2820			
			3240			
			3660			
0/88			4320			
						A respectively and the

The state of the state of

DRANDOWN DATA

static 50:35 @ 8:15AM

4. Recovery with Total well depth Casing type Interval of screen Pump depth Altitude of land	nff. We	ell diameter	A second of the contract of th			
Megsuring point	ft. Aquifer_ surface	rtion_	en or perfora Aquifer litho How determ	tionPump hp. & ology mined	l type	
Altitude measuri	ng point					
Static water lev	TIME		TIME SINCE PUMP ON	How measur TIME SINCE PUMP OFF 11, MIN.	red <u>Plechae</u> r ² /1 (DAYS)	S ₁ FT. RECOVERY
125/88		50.67				
		50.64	2			
		50.61	3			
		50.60	4			
1		50.61	5			
		50,62	6			
•		50,62	7			
		50.62	В			
14, 200		50.61	9			
		50.62	10			
		30.62	11			
Y		50.62	/2			
i de t erritorio de la		50.61	13			
		50.63	14			
<i>"</i>		50.13	15			
16		50.63	16			
		50.64	17			
		50.65	18			
\$ 11 July 10 1		50.66	19			
		50.67	20 .			

Slate Arizon	<u></u> County_	Maricopa 1	FER TEST D	R/	ec. <u>//</u> /WEL	.L NO. <i>Z8U</i> (
Personnel ADM	NR DC, GE	3	Driller	oral No. 4/2	Pamping 7.	Test
Test type: I. Si	lingle well dro	rawdown 2. Singl I 5. Other (spec	le well recover	// 3. Drawdown	n with obs. w	vell
Total well dept	thft. Y	Well diameter	in. Casing	diameter	_9 / .	
Casing type		Type of scree	en or perfora	ition		
Interval of scre	en or pertor	oration	Amilee ligh	Pump hp. 8	A type	
Altitude of land	surface		How deter	Mogy		
		surface elevation	된 시 하루 경기 (화원 : 12):			
Altitude measur						
Static water les	el from mer	asuring point_50	0.65	How measur	od Electric	zemude
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE		r*/ ₁ (DAYS)	S, FT.
1/25/08		50.68	2-2			
		50.70	2 7			
		50.71	24			
		50.72	25			
		50.73	24			
		50.74	27			
		50.76	28			
		50.76	. 29			
		50.77	30			
•		50.83	35			
1		50.88	40			
		50.99	45			
		51.01	50			
		51.06	55			
" "		51.12	60			
1)		51.17	65			
		51.22	70			
		51.27	75			
11		51.31	80			
.		And the Market was properly and the second	B5 ·			
4		51.36	90			

State Arizona	County_	Mancopa 1	FER TEST D r/s.,f	ATA R/S	ec. <u>//a</u> WEL	L NO <u>Z8U</u>
Personnel ADU	IR-DC, GR		Driller/	exal No. 4	1 Aumpi	y Test
iesi iype. i. Si	udia maii ai	awaown 2. Jingi	a Mail Lacolai	7 3. Drawdown	with obs. w	6 11
	オール・スーキ かいしょうせいじ じょんしきゅう	l 5. Other (spec Nell diameter		digmeter	io	
and the state of t		Type of scree		the filter and the first property of the contract of the contr		
Interval of scre	en or perfo	ration		Pump hp. 6	type	
Altitude of land	TT. Aquite		Aquiter litte How deteri	ology nined		
		surface elevation	"도그 경영에 나타가 살아보다 맛이 있다.			
마늘 회사님이 그렇다.	그리고 하는 것이 하고?		7/65			
Altitude measuri		suring point	065		ed Electric	
DATE	TIME	DEPTH TO	TIME SINCE	TIME SINCE		- 3000 S
		WATER LEVEL	하기 위로 생겨를 내고하는 것이 많아.	PUMP OFF	r ² /1	S _i F
			t, MIN.	1 ² , MIN.	(DAYS)	RECOV
1/25/48		51.48	100			
		51.5.8	110			
u		51.68	120			
10 7		51.78	130			
		51.90	140			
		52.02	150			
		52.15	160			
10 - 11 - 12 - 12 - 12 - 12 - 12 - 12 -		52.27	. 170			
		52.39	130			
		52.50	190			
4		52.61	200			
		52.72	210			
		52.82	220			
		52.92	230			
		53.01	240			
		53,29	270			
11		53.54	300			
		53,92	730			
		54,24	360			
10			Fig. 1 at 10 E 10 To 20 C. 10 To 10 C.			
	3159 4178	54,54 54,75	390 ·			

Test type: I. S 4. Recovery w Total well dep Casing type_ Interval of scre Pump depth_ Altitude of land Measuring point	ingle well dra ith obs. well thft. W ten or perfora ft. Aquifer_ surface	wdown 2. Sing 5. Other (specially diameter	ify)in. Casing en or perfora Aquifer litho How deters	3. Drawdown dlameter tion	with obs. w _in.	
Altitude measur						
Static water let DATE	TIME	uring point DEPTH TO WATER LEVEL	TIME SINCE	How measur TIME SINCE PUMP OFF 11, MIN.	red <u>Electric</u> r²/ _t (DAYS)	Soundier Si FT. RECOVERY
125/88	4159	. 54.93	450			
	5132	55,04	480			
	6:26 pm	54.87	510			
	8:29	54.14	540			
n .	10:14	53.91	57600			
	12:13	53.74	600 km			
,	2:26 AM	53.67	7200			
4			. BAD			
24/88			910			
			1080			
			1320			
u			1560			
			1800			
			2220			
27/88			2820			
.			3240			
			3660			
20/88			4320			
ing a single of the single of			医环形性征 电二进程数据 化二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十			

DRANDOWN DATA

Personnel MUR	COUNTY M.		Driller_L	OPAL #4 OFAL #4	Pumpin	g Test
4. Recovery wi Total well dept Casing type Interval of scre	ith obs. well thft. We sen or perforg	5. Other (speci ell diameter _Type of scree stion	ify)in. Casing in. perfora	g diameter ation	_in. & 1voe	
Pump depthAltitude of land	ft. Aquifer_		_Aquifor lith	iology		
Megsuring point	above land sur	rface elevation,	1.68			
Altitude measur	ing point					
Static water lev	vel from measu	The fact of the product of the case of	The same of the sa		red Electric	sounder
DATE	•	1 30103	PUMP ON 1, MIN.	TIME SINCE PUMP OFF 11, MIN.	r*/ ₁ (DAYS)	S ₁ FT. RECOVERY
1/25/88	-8:30 9:30	50.03				
		Same 50.03				
		50.05 50.04	De Marin Francisco			
		50.10 50.03	4		• • • • • • • • • • • • • • • • • • •	
		50,16 50.03	5			
		50,16 50.03	- (
		50.16 50.03	7			
		50,18 50.03				
		50.19 5004	9			
· · · · · · · · · · · · · · · · · · ·		50,19 50,05	10			
		50.05	//			
Y		50.05	/2			
Maria de la companya		50.05	13			
		50.05	14			
		50,05	15			
		50.05	16			
		50,05	17			
		50.05	18			
,		50.06	19			
1		50.09	20 .			
		50.10	21			

Restart at 9:30 AM

	IE-66,6B		in the transport of a g eneral			L 110
Test type: I. S	Mary Mary	는 인터트 여러시작 및 : 19 <u>12년</u>	Driller h	wal Wn 4 A	le mons ma Te	.4
	lingle well dra	wdown 2. Single	e well recover	3. Drawdown	with 68s. w	ell
医静脉 医皮肤 医二甲二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	ith obs. well	5. Other (speci	lfy)			
		ell diameter				
Interval of seri	een or nerfor	ation		Duma ha f		
Pump depth	ft. Aquifer		_Aquifer litho	ology		
				nined		
Megsuring point	above land su	rface elevation_	1.68			
Altitude measur						
		suring point_5	0.05'	How measur	od <u>Electric</u>	Sounder
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE	TIME SINCE PUMP OFF 1 ¹ , MIN.	r²/; (DAYS)	S _i FT.
125/08		50,10	22			
		50,10	23			
		50.10	24			
		50.12	25			
		50.15	24			
and the second second		50.16	27			
		50.18	28			
		50,19	- 24			
	10:00	50.20	30			
	10:05	50.Z7	35			
1/	10:10	50.35	40			
	l0:(5	50.4(45			
	10:20	50.50	50			
	10:25	50.54	55			
"	10:30	50.60	60			
	10:35	50.67	65			
17			70			
,	10:40	17.02				
	10:40 10:45		75-			
1/		50.76 50.80				
u	10:45	50.76	75			

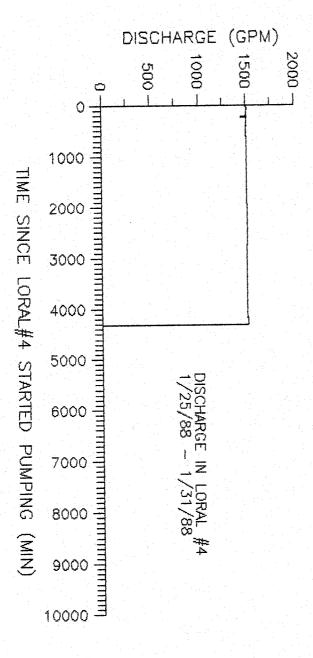
Personnel GC	9.6B.		T	was No.4 Ru	mping Te	est
4. Recovery to Total well de	with obs. well pthft. W	wdown 2. Singl 5. Other (spec ell diameter	ify)in, Casing		_in_	
Interval of sci	reen or perfor	ation		Pumo ho. 8	type	
Pump depth_	ft. Aquifer		Aquifer_lithe	ology		
		일 그는 사람이 가게 된 번째		·육 본 강 원보인원과 그 경기를 걸린.		
		rface elevation	1,00			
	uring point	suring point 57	0 05		= Elastr:	
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE	TIME SINCE PUMP OFF 11, MIN.	F ² / _† (DAYS)	S _i FT. RECOVER
125/48	11:10	50.98	100			
	11:20	51.08	110			
	(1:30	51.18	120			
	11:40	51.27	130			
	<u> 11:50</u>	50.40	140			
	12:00	51.53	150			
"	12:10	51.64	160			
	12:20	51.76	. 170			
44	12:30	51.88	130			
Y	12:40	51.99	190			
મ	12.50	90.52	200			
	PM 1:00	52.21	210			
n n	1:10	52.32	220			
4. 1.	(:20	52.43	230			
	1:30	52,50	240			
	2:001:40	52.78	270			
17	2:28 2:30 1:50	53.02	300			
	Z1538002:00	53.30	730			
	3:39-2:30	53.75	360			
10	4:00 3:00	54,12	390 .			
V.	4:30 3:30	54.30	420			

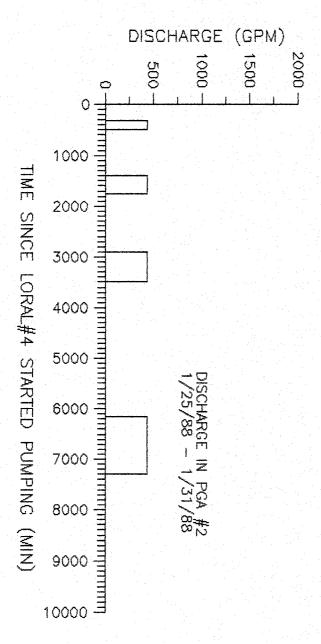
Test type: I. Si 4. Recovery wi Total well dept Casing type Interval of scre Pump depth Altitude of land Megsuring point	ingle well draw th obs. well hft. We en or perforeft. Aquifer_ surface above land su below	wdown 2. Sing 5. Other (speciall diameter	le well recover ify)in. Casing en or perfora Aquifer lithe How deteri	diameter	with obs. w _in.	Test.
Altitude measur Static water lev		urina point	50.05'	How megaur	an Electric	Sameler
DATE	TIME	DEPTH TO WATER LEVEL	TIME SINCE	TIME SINCE PUMP OFF 11, MIN.	r²/ ₁ (DAYS)	S ₁ FT.
1/25/88	4:58	54,44	450			
30	<i>5:3</i> 0	54,54	480			
	6:29 p	54.39	SIP			
W.	4:32	53.69	540			
	10:19	53.42	570			
	12.20	53.28	666 PSP			
	2 2 28A	m 53,20	72040			
			.840			
124/88			960			
			1080			
			1320			
			1560			
u u			1800			
			2220			
127/88			2820			
17			3240			
			3660			
120/88			4320			
	in the capture of the		ear te Tour Burgar in 1888	(1) 自己的 对别。由于想象 Lot		

t (min) EP-Z Time DTW 1241,0 1/26/88 47.63 6 ton 1481.0 10 Am 10: N 47.65 Ann 1711,0 2 Pm 47.67 2:01 PM 1925.0 6 Pm Ü 47.60 5:35 Pm 9 pm Pm 1/27/08 2761.0 TAM 0731 47.64 Am 47.63 3040.0 12 Noon 1210 A. 9 pm 3400.0 1810 47,61 Pin 1/28/88 47.91 4199.0 Tam 0729 EMW-ZBB 1/26/88 1244.0 6 Am 49.2 6:14 ٠, 10 Am 49.2 1483.0 10:14 49,20 1714,0 ZAM 2:04 1929.0 6 Pm 49.17 5:39 7pm 49.20 2764.0 1/27/00 7 Am 0734 12 Noon 3042.0 1212 49.25 9 pm 49.45 3402.0 1812 1/28/88 49.24 4202.0 Tam 0732 E-2802 DTW Time 53.66° 1248.0 1/28/88 53.70 1/26/38 0734 6 Am 6:18 1485.0 53.75 10 Am 10:16 VIV7.0 4204 53.8' 2:07 ZPM 53.67' 1932.0 5:42 6 pm 53.47-0737 9 pm 127 18% 53.47 2167.0 7 Am 0737 3045.0 12 Non 1215 54.61 9pm 1817 54 an 3407.0

VI

				۱۳مر ۱۳مام
EMW-ZB1	<u>-</u> c	TIME	DT	wst
1/26/88	64m	6:20	53.21	1250.0
	10 Am	10:18	53.28	1408.0
William Committee and the comm	2 Pm /	2:10	53.5	1720.0
taling and the second s	4 Pm	5:45	53.21	1935.0
	9 PM			
1/27/08	7.4m	0740	52.97	2110.0
	12 Noon	1217	54.13	3047.0
	91m	1820	54.33	3410.0
1/28/88	7am	0736	53.23	4206





Retarmorter 128/128

_ Investigation of other wells Pumping:

- 1) correct #2 is pumped intermittently day and night & on weekends for plant supply -it can't be shot down
 - even if the plant isn't in fill operation, i.e. night, executeds, waterdemand is still

I waited for it to go on when time per mitted and made the following masurements using the McCrometer totalizing flow meter and a watch!

A) ON 2:38:10 OFF 2:44:16

414,013,500 gallons before; 414,020,500 gallons after

Q = 1100 ±100 ypm instructureous reading

B) ON 3:49:33 OFF 3:54:58
414,033,000 gallons before; 414,040,000 gallons offa Q = 1100 ± 100 ggm

JC) ON 4:45:29 OFF 4:50:47

414,046,000 gal. Letore; 41\$,052,000 gallous affe Q = 1100, 7100 Jon

0) on 5:44:26 OFF 05:49:48

414,058,000 gals, before, 414,663,500 gallons aff 1/30/BB A) ON 9:10:43 OFF 9:15:44; 414,667,000 - 414,473,000 Q=1000 inst.0 The discharge is very constant in this well when it clieks on for 5 to 6 minutes

I made the following totalizer readings!

1/19/88	11:45 Am	411,385,000
1/22/38	9:00 Am	412,282,000
1/25/88	.	413,067,000
1/26/38		413,369,000
1/27/28		413,674,000
1/23/88	9:00 Am	413,971,000
	1:44 Pm	414,001,000
u V	2:37 Pm	414,013,500
U	2:44 PM	414,020,500
	3:55 Pm	414,040,000
	4:52 Pm	414,052,000
u u	5', 49 Pm	414,063,500
1/29/38	5:54 AM	414,189,500
2 11	121.06 PM	414, 273,000
u	4:48 pm	414,333,000
1/30/88	9:10 Am	414,467,000
7:11		414,532,000
1/31/88	41,28 Pm 7157 Am 7.40 Am	414,647,000
u	9'140 Am	414,657,000

2) PGH#Z was pumping when I cheeked

it 1/30/38 @ 9:45

The sparling totalizer was need:

1/30/38

B4,390, 200 gal @ 9:45:00 } continuous pumping

24,394,800 gal @ 10:00:00 }

1000 gal /zmin z7 see @ 9:47 = 408 gpm

**Worget /15 min = 440

84,405,350 @ 4:40 & 5:50 pm - not pumping

1/31/39 84,405,350 @ 8:08 \$ 10:23 Am - not pumping



LOPAL# 2 Pumpage

Spot measurements

		- GPM	<u> 60m </u>	
Gallons by Totalizer	Minutes	GPM (TOTAL)	(INST)	
7,000 (±500)	6.03	7 1160	(1100 ± 10	20
7,000 (±500)	5.15	1340		
6,000 (±500)	5.18	1180		
5,500 (±500)	5,13	1070		
6,000 (±500)	5.00	1200		
	5.28	Q = 1194		(50 me)
Consi	tant to fill	Tank Seconse	of float value	1 +0 40 Y
Daily Totals				Tib
Time		Gallous -	minutes on	J (+5
0 1/25 9 Am - 1/24 9	Am	302,000	274.5	52
1/24 9Am - 1/27 4		305 000	277.3	<i>5</i> z
1/27 9 km - 1/28		297,000	270.0	51
1/28 9Am - 1/29		218,500	1984	37
1/29 6Am -> 1/30		277,500	252.3	48
1/30 9 Am - 1/31		190,000	172.7	36
			and the second s	

Frequency (Time Period	1 times Iday)
	化化二甲基基甲基基甲基基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	
or the control of th	y 28 min 1 ze min	mon Tues
	, ze min	ned
	y 34 min	Thurs
	y 34 min	= .
	1 40 min	

- 4:38 Aug. Hime on = 5.5 mi

time since pump on

tot. gala

		마이 마시 마시 시간 보고 100명 이 경험 100명 120명 120명 120명 120명 120명 120명 120명	
4628-	- 4634	414,013,500 - 414,020,500	
4699		414,033,000 -> 414,040,000	
4755 -		414,046,000 - 414,052,000	5
4814 -		414,058,000 - 414,063,500	
1180 -		414, 467,000 - 414, 473,000	5.95
		DQ/1100gpm)	Str.
0		그는 그들은 사람은 그리가 그리다는 그리고 있는 것이다. 그런 그렇게 나는 사람들이 다른 바다 하는 것이 없었다.	A STATE OF THE PARTY OF THE PAR
1440		サード・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	Attor of w
2880		3 413 (71) (50x)	2/h BZ-
4320			
4574		414,001,000 171.56 (368)	3 (33 k) 3 (33 k) 3 (33 k) 3 (33 k)
5544		5 6 mm 414, 139, 500 75.9,	14
5914		\$14,273,000 54.55 (252	28 (42K)
6198		414,333,000 121.62	心道
7180		6 9 Am 414,467,000 59.09	
7418		414,532 000	
8547			73 (89 K)
8653		1 9 m 414,657,000	इ स्ट्रिंग्स

Q LORAL # Z

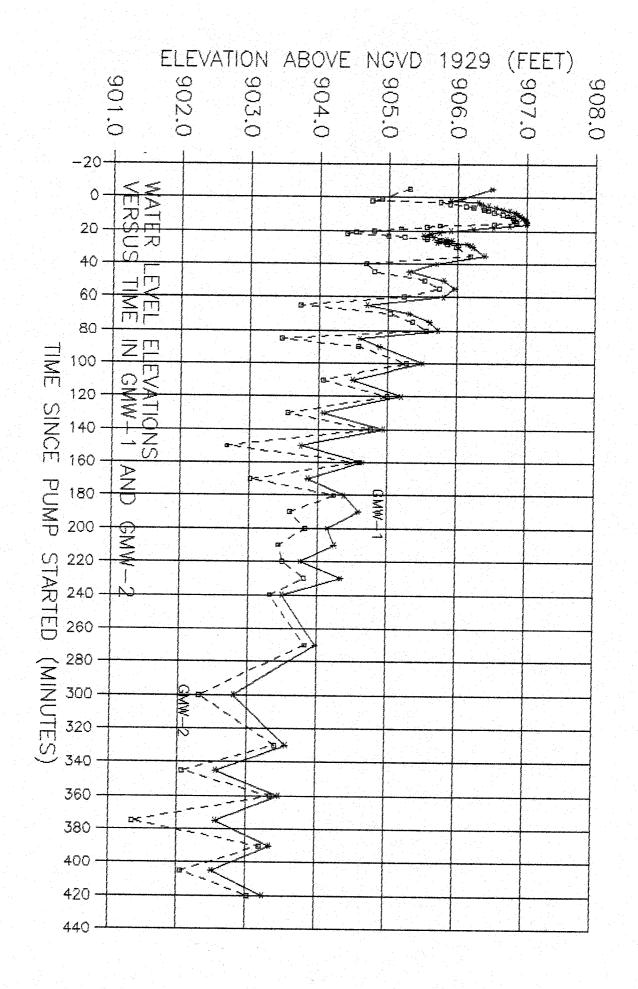
ON-TIMES from Graphs

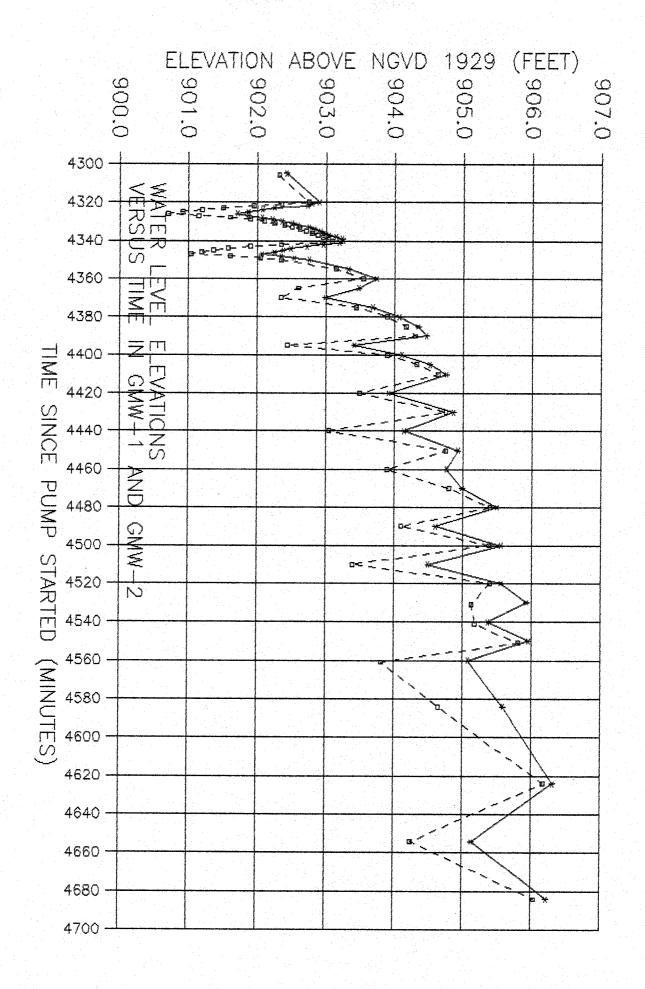
4320 - 4325 4340 - 4345-Aces 4360 -4365 16-21 4390 -4395 37-4z 4409-4414 59-64 4420 -4436 80 - 35 4450 - 4455 105 -110 4460 - 4485 125-130 4500 - 4506 140 TH. 145-150 165-170

always 1100 gpm

LORAL#4

		그리다 그리 전환경을 모든 가장은 아들까지 수 했다. 그는 어떻게 하고 있는 것 같다.
0 10	1530	40 510 1503
10 20	1500	510 568 1505
20 30	1500	568 612 1502
30 40	1510	412 120 1511
40 50	1510	720840 1511
50 60	1510	e40 960 1510
40 90	1513	960 1257 1508
90 110	1510	1257 1487 1511
110 120	1510	1487 1718 1510
120 130	1510	1718 1949 1510
130 140	1510	1949 2744 1512
()140 150	1510	2744 3024 1511
150 160	1510	3024 3384 1508
160 170	1510	33EA 41ES 1510
170 180	1510	4165-4290 1519
160 200	1505	-4290 \$315 4552 1490
200 210	1510	4315 4320 +310 H37 1512 4290
210 230	+450 Mg	
230 240	1510	
240 270	1507	
270 300	1507	
300 330	1507	
330 360	1507	경기에 가는 사람이 아이들이 가는 시간에 가장하는 것 같아 되었다. 보고 있었다. 이용 이번 10 경기 중인 10 기를 하고 있다. 10 기술
360 390	1503	하게 얼마를 하고 있는 사람이 하늘하는 모든 이름을 하고 있는데 되었다. 그는 그리는 하는 하는 사람들이 되는 것으로 모든 것을 보고 있다.
340 420	1507	
420 450	1503	
450 480	1503	





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LORAL #4 Aguita Test
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Pre-Test Monvitoring

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EMW-27	1/22/08	13:06	5L.20	TosP - /"
	1/23/46	7:20	56.3z	
	1/24/08	9:21	56.33	

16 EP-2	1/22/88	12:32	47.53	TOC - 2"
	1/23/88	9:3/	47.66	
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EMW-28B	1/22/98	12:37	47.92	TOSP - 1"
	1/23/88	7:35	48.04	
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EMW-ZBUC	1/22/94	12:42	50.11	Tosp-1"
	1/23/26	9:38	49.77	
	1/24/88	11,05	49.82	
EMW-28LC	1/22/88	12:46	41.55	TOSP-1"
	1/23/88	9:42	49.20	
	1/24/88	11:08	49.23	
EMW-3	1/22/88	13:18	52.52	703P-z"
	1/23/88	9:54	52.72	
	1/24/83	11:14	52.82	
EMW-Z	1/22/88	/3:22	53.75	1038-2"
	1/23/08	9:56	53.66	
an Control of the property of	1/24/88	11:16	53.72	
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January 5, 1988

W63600.FL

Jeff Rosenbloom (T-4-2) U.S. EPA Region IX 215 Fremont Street San Francisco, California 94105

Dear Jeff:

Enclosed is a draft work plan for the three day aquifer test using LORAL Well #4. Please review and distribute to the Project Committee as you see fit.

Sincerely,

Peter A. Mock
Hydrogeologist

enclosure

cc: Randy Clark/LORAL
John Lucero/RDD

Fritz Carlson/RDD Terry Foreman/LAO

ts:PHR6/608

. .

WORK PLAN FOR A LONG-TERM AQUIFER TEST USING LORAL WELL #4 [(B-1-1)16ADB1]

PUMPING WELL

Elevation of Pump Base - 962 feet above mean sea level (NGVD)

Perforations - 783 to 793 and 689 to 705 feet above mean sea level (NGVD). Spinner flowmeter survey indicated approximately 50% contribution from each of these two perforated sections.

Equipment

Pump - Line shaft turbine pump

Motor - Electric motor

Power Supply - Arizona Public Service on-site

Discharge - 10-inch steel pipe from wellhead to a buried line which discharges at NPDES outfall 001. Permission to pump water for this well to outfall 001 has been obtained from EPA.

Pumping Rate - Approximately 1,000 gallons per minute

Static Water Level - About 60 feet below land surface

Projected Pumping Water Level - About 80 feet below land surface

Pump Intake - 170 feet below land surface

Pumping Rate Measurement - Pumping rate will be measured during the pumping test with an in-line totalizing impeller flow meter equipped with an instantaneous flow rate indicator.

Pumping rate will be recorded at intervals not to exceed two hours throughout the pumping portion of the test. A gate valve is available to control the pumping rate.

Water Level Measurements - Water levels in the pumping well will be measured using an electric sounder.

Aquifer Test Schedule - Pre-test water level measurements will be taken on each of the three days prior to the test.

Monitoring Starts - January 22, 1988 @ 7:00

Pumping Starts - January 25, 1988 @ 7:00

Pumping Stops - January 28, 1988 @ 7:00

Monitoring Stops - January 31, 1988 @ 7:00

- Water Quality Sampling Samples will be obtained each day during the test for laboratory analyses for total chromium and VOC's (EPA Method 601). Temperature, pH, and electrical conductivity of the pumped water will be measured in the field every 12 hours during the pumping period.
- Schedule for Water-Level Measurements Water levels will be measured in the pumped well a minimum of once per day for the three days prior to the start of pumping. During the pumping period, water levels will be measured in the pumped well at the intervals shown in Appendix A.
- Pumped Well Responsibilities CH2M HILL, Inc. and Hargis & Associates, Inc. personnel will be responsible for all water level, pumping rate, water quality measurements and samples in the pumped well throughout the test.

OBSERVATION WELLS

LORAL Well #1, EMW-27MFU, EMW-9, and monitoring wells at the 16GMW-1, 16EMW-1, and 16EMW-20 sites will be used as frequently measured observation wells throughout the pumping and recovery periods. These individual wells are listed in Appendix B. Water levels will be measured once per day in these observation wells during the three days prior to the start of pumping. During the test, water levels in these wells will be measured at the frequencies presented in Appendix A.

In addition, 18 monitoring and production wells will be measured during the pumping and recovery periods on a daily basis. Appendix C presents the proposed daily measurement wells.

Observation Well Responsibilities - CH2M HILL, Inc. and Hargis & Associates, Inc. personnel will be responsible for all water-level measurements in the observation wells throughout the pumping and recovery periods of the test.

PHR6/608

APPENDIX A

Measurement Frequency

Schedule A: Pumped well, LORAL #1, EMW-17MFU, GMW-1, EMW-1, EMW-20LC, EMW-20UC.

Once per minute for 0 - 30 minutes
Once per 5 minutes for 30 - 90 minutes
Once per 10 minutes for 90 - 240 minutes
Once per 30 minutes for 240 - 600 minutes
Once per hour for 600 - 1080 minutes
Once per 2 hours for 1080 - 4320 minutes.

Schedule B: GMW-2, GMW-3, EMW-2, EMW-3, EMW-20B2, EMW-9.

Once per 5 minutes for 0 - 60 minutes Once per 10 minutes for 60 - 120 minutes Once per 20 minutes for 120 - 360 minutes Once per hour for 360 - 720 minutes Once per 2 hours for 720 - 4320 minutes

APPENDIX B

Frequently Monitored Observation Wells

Well Name	State I.D.	Distance from Pumped Well	Perforated Elevations
LORAL #1	(B-1-1)16AAC1	660'	612' - 753'
EMW-27MFU	(B-1-1)16ABA	1320 '	566' - 606'
GMW-1	(B-1-1)16AAB2	1320	651' - 691'
EMW-1	(B-1-1)16ACD5	1238	660' - 710'
EMW-20LC	(B-1-1)16BDB3	2228!	664' - 714'
EMW-20UC	(B-1-1)16BDB2	22281	736' - 786'
GMW-2	(B-1-1)16AAB3	1320'	771' - 801'
EMW-2	(B-1-1)16ACD6	1238!	783' - 823'
EMW-20B2	(B-1-1)16BDB5	2228'	805' - 825'
GMW-3	(B-1-1)16AAB4	1320 '	851' - 881'
EMW-3	(B-1-1)16ACD7	1238	852 ' - 892 '
EMW-9	(B-1-1)16ACA2	120'	896' - 918'

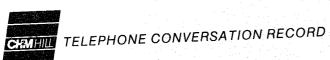
APPENDIX C

Observation Wells - Daily Measurements Only

Well Name	State I.D.	Distance from Pumped Well	Perforated Elevations
EMW-22LC	(B-1-1)10CCC	2100'	654' - 684'
GMW-5	(B-1-1) 15BCB	1730	890' - 911'
RID2.9W3.3N	(B-1-1)15CCB	33001	774' - 933'
GAC #3	(B-1-1)16AAA1	1570	668' - 770'
GAC #2	(B-1-1)16AAB1	1275'	685' - 770'
EMW-21UC	(B-1-1)16ABB2	1650'	738' - 788'
EMW-16A	(B-1-1)16BDB1	22301	884' - 905'
EMW-28B	(B-1-1)16BDD2	2150'	807' - 827'
EMW-28UC	(B-1-1)16BDD3	2060 '	733' - 783'
EMW-28LC	(B-1-1)16BDD4	1980'	657' - 707'
EMW-14A	(B-1-1)16CAA	2800 '	893' - 914'
EMW-19UC	(B-1-1)16CAB1	2890	739' - 789'
EMW-19LC	(B-1-1)16CAB2	2890	661' - 711'
EMW-19B	(B-1-1)16CAB3	2890 '	776' - 826'
EMW-18UC	(B-1-1)16DCB3	2970'	748' - 808'
EMW-18B	(B-1-1)16DCB4	2970'	786' - 826'
AMCOR #1	(B-1-1)17AAD1	4200'	524' - 723'
RHODES	(B-1-1) 21ABA	4450'	748' - 764'

SUBJECT Coordination of Aquifu test operation of pump setting value to 001 Access for people to GAC#1, #2,#3#4 - 6mu1,2,3
Protection, access for transdicers, data logger
Access to Emw-9 14, 16 6mu-5 RHODES WELL HELESS daily we's RID 2942.5N First Intastate PGA
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FORM 19



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May 29, 1987

W63600.FQ

Randy Clark Loral Corporation Litchfield Park, Arizona 85340-0085

Dear Randy:

Enclosed is a draft work plan for the three day aquifer test using Well #4. Please review it and correct any errors you may find. I believe the letter dated May 12, 1987 to you from EPA provides permission to discharge to the NPDES outfalls for this test. When you have had a chance to look the work plan over, give me a call and we will talk about any other approvals you need and a schedule.

Film a. Woch

Peter A. Mock

Hydrogeologist enclosures

CC:

Jeff Rosenbloom/EPA Region IX

John Lucero/RDD

PHR6/608:ts

WORK PLAN FOR A LONG-TERM AQUIFER TEST USING LORAL WELL #4 [(B-1-1)16ADB1]

PUMPING WELL

Equipment

Pump - Line shaft turbine pump

Motor - Electric motor

Power Supply - Arizona Public Service on-site

Discharge - 10-inch steel pipe from wellhead to a buried sewer line which discharges at NPDES outfall 001. Permission to pump water for this well to outfall 001 will be obtained from EPA prior to the test.

Pumping Rate - Approximately 1,000 gallons per minute

Static Water Level - About 50 feet below land surface

Projected Pumping Water Level - About 80 feet below land surface

Pump Intake - 170 feet below land surface

Pumping Rate Measurement - Pumping rate will be measured during the pumping test with an in-line totalizing impeller flow meter equipped with an instantaneous flow rate indicator.

Pumping rate will be measured at intervals not to exceed two hours throughout the pumping portion of the test. No gate valve is available to control the pumping rate.

Water Level Measurements - Water levels in the pumping well will be measured using an electric sounder.

Aquifer Test Schedule - Pre-test water level measurements will be taken on each of the three days prior to the test.

Pumping Starts - _______, 1987 @ 7:00

Pumping Stops - ______, 1987 @ 7:00

Monitoring Stops - ______, 1987 @ 7:00

Water Quality Sampling - Samples will be obtained each day during the test for laboratory analyses for total chromium and VOC's (EPA Method 601). Temperature, pH, and electrical conductivity of the pumped water will be measured in the field every 12 hours during the pumping period.

Schedule for Water-Level Measurements - Water levels will be measured in the pumping well a minimum of once per day for the three days prior to the start of pumping. During the pumping period, water levels will be measured in the pumped well at the intervals shown:

Once per minute for the first 30 minutes Once per five minutes for the next 30 minutes Once per ten minutes for the next 2 hours Once per hour for the remainder of the test

This schedule will be repeated for the recovery period.

Pumping Well Responsibilities - CH2M HILL, Inc. personnel will be responsible for all water level, pumping rate and water quality measurements in the pumping well throughout the test.

OBSERVATION WELLS

All monitoring wells at the 16GMW-1, 16EMW-1, 16EMW-18, 16EMW-19, 16EMW-20, and 16EMW-21 sites will be used as observation wells throughout the pumping and recovery periods. The observation wells are divided into "close" and "distant" groups as follows: The-16GMW-1 and 16EMW-1 site are classified as close, and the 16EMW-18, 19, 20, and 21 site wells are classified as distant. Water levels will be measured once per day in all observation wells, the three days prior to the start of pumping.

During the test close wells will be monitored at the same frequencies as the pumping well. This schedule will be repeated during the recovery period.

The distant wells will be monitored during the test at the frequencies shown:

Once per 10 minutes for the first four hours Once per 20 minutes for the next four hours Once per hour for the remainder of the test This schedule will be repeated during the recovery period.

Observation Well Responsibilities - CH2M HILL, Inc. personnel will be responsible for all water-level measurements in the observation wells throughout the pumping and recovery periods of the test.

PHR6/608



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY RECEIVED

REGION IX
215 Fremont Street
San Francisco, Ca. 94105

MAY 2 0 1937 CH2M HILLIPLIDENER

1 5 MAY 1987

May 12, 1987

Randy Clark Loral Corporation Litchfield Park, Arizona 85340-0085

Re: Aquifer Test for GAC Well No.3

Dear Mr. Clark:

This letter constitutes a request for Loral Corporation to operate production Well No. 3 (State Number (B-1-1) 16AAA1) for the purpose of conducting a 72-hour aquifer test. This work would be conducted to provide hydrogeological data for the Phoenix-Goodyear Airport Area Remedial Investigation/ Feasibility Study. This is a federally ordered action consistent with the National Contingency Plan.

The discharge from Well No. 3 of approximately 750 gallons per minute can be directed into the ditch along the north side of the facility which joins a storm sewer that in turn joins the airport drainage to the southwest. This outfall is currently regulated by an NPDES permit. For the purposes of this aquifer test, the level of volatile organic compounds can exceed the NPDES limits.

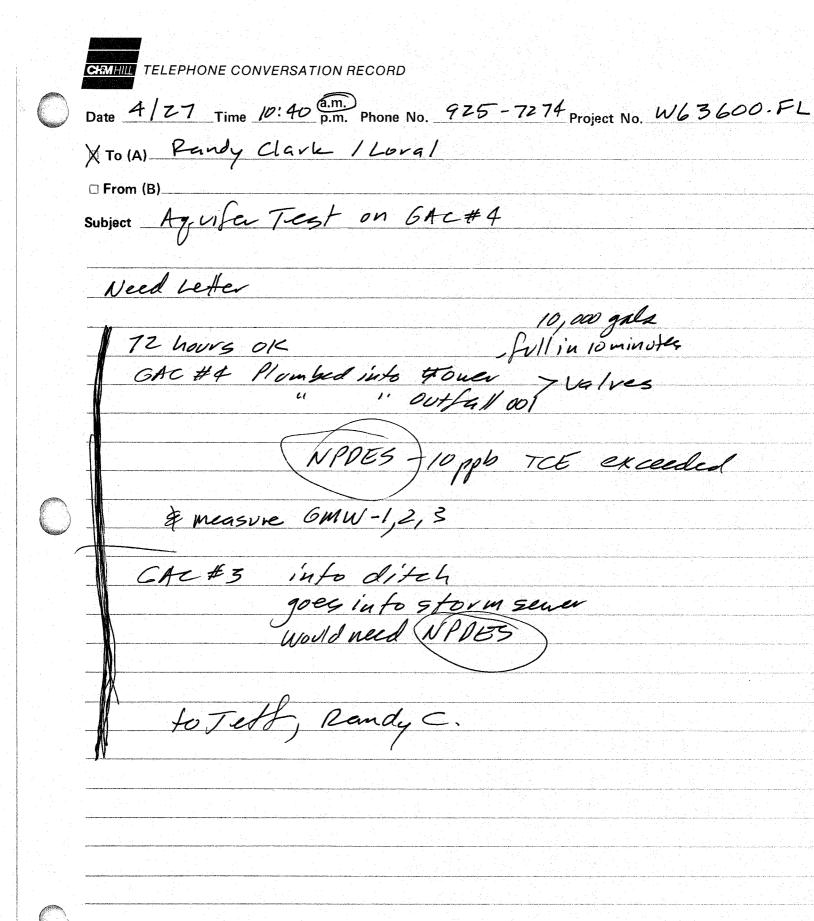
EPA will provide staff to measure water levels in the pumped well and ground water monitoring wells 16GMW-1, 16GMW-2, and 16 GMW-3. We would ask you to help with operating the pumped well and maintaining the discharge rate during the test. After the well is shut off, recovery of water levels will be measured by EPA for an additional 72 hours.

If you have any questions or concerns about participating in this proposed test, please call Jeff Rosenbloom at (415) 974-9565.

Sincerely,

Keith A. Takata, Chief Superfund Programs Branch

cc: Hugh Barroll, EPA
Greg Bushner, ADWR
Steve Fuller, EPA
Wally Ito, Goodyear Tire and Rubber
Peter Mock, CH₂M Hill
Simon Navarro, ADHS
Annette Ponds, ESI
Dave Sweet, McGlaughlin





CH2M HILL INDEX FORM FOR REM IV FILE CLOSEOUT

(Please print legibly or type.)

If it is more convenient, when indexing the file, complete those sections that will remain the same through the majority of the site file (nos. 1 through 8). Then photocopy this form onto colored paper (to make it more obvious in the file) and complete nos. 9 and 10 as necessary.

Originator 2 Site Manager 3 Work A	Subcontractor Site Manager's Name JOHN LUCERO Site Manager's Firm CH2M HILL X B&V E&E ICF PRCL ssignment Number 030 - 9L19.0 4 Project RDD63600 6 Project Story Date (mo	+√
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10	(These comments will not become part of the indexing information.)	
	SOME DOCUMENTS REFERENCE REM/FIT CONTRACT NO.6	8-01-6692
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RECEIVED

JUL 9 1987

CH2M HILL/PHOENIX

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENIX-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to surveying and ground-water monitoring well drilling during the months of June through August, 1987 and sampling quarterly through December 1988.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, and drilling small holes into the ground. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that wells will be capped with locked covers; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-07-022C E1/2 SE1/4 Sec. 20 T1N R1W

Signature of Owner/Occupant (all joint owners must sign):

Exemption 6: Privacy

(Signature)		(Date)	(Phone	Number)	
(Signature)		(Date)	(Phone	Number)	



June 19, 1987

W63600.FQ

Exemption 6: Privacy

Subject: Permission to Access Property for Investigation Purposes

CH2M HILL, Inc. under contract to the United States Environmental Protection Agency (EPA) is conducting an investigation in the vicinity of Phoenix-Goodyear Airport in Goodyear, Arizona. The investigation is being conducted under the Superfund Program. It is intended to determine the extent and degree of soil and ground-water contamination, and to determine the feasibility of various clean-up options.

We are requesting access to the following parcel of land:

Parcel Number: 500-07-022C E1/2 SE1/4 Sec. 20 T1N R1W

Several types of tasks will be performed in conjunction with the investigation. The following sampling techniques will be used:

- o Ground-water monitoring well drilling A field team will work with a drilling crew and drilling rig to install monitoring wells 65 to 300 feet in depth from June through July 1987. The wells will be covered with locked covers. The EPA will be responsible for removal or plugging of wells at the end of the study.
- o Ground-water monitoring well sampling A field person or team will remove water from the well and collect a small sample (about one gallon) for laboratory analysis during 1987 and 1988.

W63600.FQ June 19, 1987 Page 2

Surveying - A survey crew will survey the sites during August, 1987.

\$Borner

The EPA asks that you review and complete the enclosed form which will grant EPA and its contractors permission to enter your property for investigation purposes.

We have enclosed a self-addressed envelope with the permission form. Please review, sign, and mail this form at your earliest convenience. Also, we would appreciate knowing the name and phone number of a person we could contact prior to entering your property. Because of the time schedule for this program, we ask that you call us at (602) 893-6155 if you will be unable to return the completed form by June 26, 1987 or have any questions.

We would be happy to schedule a meeting with you to discuss the proposed well location if you wish. We will also provide you with the final sampling results upon request.

We greatly appreciate your cooperation.

\$30 miles

Sincerely,

C. N. Fedra Charles M. Pedri Civil Engineer

PHC3/326:ts

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENIX-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to surveying and ground-water monitoring well drilling during the months of June through August, 1987 and sampling quarterly through December 1988.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, and drilling small holes into the ground. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that wells will be capped with locked covers; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-07-022C E1/2 SE1/4 Sec. 20 T1N R1W Signature of Owner/Occupant (all joint owners must sign):

(Signature)	(Date)	(Phone Number)
(Signature)	(Date)	(Phone Number)
(Signature)	(Date)	(Phone Number)

- 1. School District #44
 Attn: Dr. Douglas Delbarto
 235 W. Western Avenue
 Avondale, Arizona 85323
 500-12-053 SE1/4 NW1/4 Sec. 10 T1N R1W
- Presbytery of Grand Canyon Corp. 1226 W. Osborn Road Phoenix, Arizona 85013 Attn: Hazel Smith, Property Officer 500-14-236 NE1/4 SW1/4 Sec. 10 T1N R1W
- 3. Litchfield Road 26 LTD 6710 E. Camelback Road Scottsdale, Arizona 85251 500-04-019E NE1/4 SE1/4 Sec. 9 T1N R1W
- 4. Beck 232 LTD
 2700 N. Third Street, Suite 2008
 Phoenix, Arizona 85004
 500-04-018J SW/14 Sec. 9 T1N R1W
- 5. The VAL Group
 Attn: Larry Hall
 23150 N. Pima Road
 Scottsdale, Arizona 85255
 500-07-015 E1/2 SW1/4 Sec. 17 T1N R1W
- 6. A Tumbling T Ranches
 P. O. Box 1509
 Goodyear, Arizona 85338
 500-07-022D S1/2 Sec. 20 T1N R1W
- 7. Loral Systems
 Attn: Randy Clark, Mail Stop 4212
 P. O. Box 85
 Litchfield Park, Arizona 85340
 500-07-003D NE1/4 SE1/4 Sec. 16 T1N R1W
- 8. Loral Systems
 Attn: Randy Clark, Mail Stop 4212
 P. O. Box 85
 Litchfield Park, Arizona 85340
 500-07-003D NE1/4 SE1/4 Sec. 16 T1N R1W
- 9. School District #44
 235 W. Western Avenue
 Avondale, Arizona 85323
 Attn: Dr. Douglas Delbarto
 500-45-001 NE1/4 NW1/4 Sec. 15 T1N R1W

ADDRESS LISTING

ADDRESS

7. Loral Systems
Attn: Randy Clark, Mail Stop 4212
P. O. Box 85
Litchfield Park, Arizona 85340
500-07-003D NE1/4 SE1/4 Sec. 16 T1N R1W

8. Loral Systems
Attn: Randy Clark, Mail Stop 4212
P. O. Box 85
Litchfield Park, Arizona 85340
500-07-003D NE1/4 SE1/4 Sec. 16 T1N R1W

9. School District #44
235 W. Western Avenue
Avondale, Arizona 85323
Attn: Dr. Douglas Delbarto
500-45-001 NE1/4 NW1/4 Sec. 15 T1N R1W

COMMENTS

Loral bought Goodyear Aerospace

1st Contact - Inquired about exact locations of sitesInplied that access would not be a publicm.

925-7224

Loral bought Goodyear Resospace

1st Contact - Inquired about exact locations of sitesImplied that access would not be a publicm

Received tetter

Avondale Elementary School

932-0920

1st Contact - possible publicm Waccess

Received letter granting access - 5/4/27

(See Site #1)

ADDRESS

1. School District #44
Attn: Dr. Douglas Delbarto
235 W. Western Avenue
Avondale, Arizona 85323
500-12-053 SE1/4 NW1/4 Sec. 10 T1N R1W

2. Presbytery of Grand Canyon Corp;
1226 W. Osborn Road
Phoenix, Arizona 85013
Attn: Hazel Smith, Property Officer
500-14-236 NE1/4 SW1/4 Sec. 10 T1N R1W

3. Litchfield Road 26 LTD 6710 E. Camelback Road Scottsdale, Arizona 85251 500-04-019E NE1/4 SE1/4 Sec. 9 T1N R1W

4. Beck 232 LTD
2700 N. Third Street, Suite 2008
Phoenix, Arizona 85004
500-04-018J SW/14 Sec. 9 T1N R1W

5. The VAL Group
Attn: Larry Hall
23150 N. Pima Road
Scottsdale, Arizona 85255
500-07-015 E1/2 SW1/4 Sec. 17 T1N R1W

6. A Tumbling T Ranches Benross Corporation
P. O. Box 1509 3200 E Camelback Ell
Goodyear, Arizona 85338 Phoenix Az
500-07-022D S1/2 Sec. 20 TIN RIW 81018

Avondale Junier High School

932-0820

1st Confact - possible problem "Jaccess
Received Jether granting access -5/4/87-requested

Heat lesting be done between 6/8 f 8/21

264-2520 468-3820

1st Confact - Trustees approved access-letter to be
sent.

Received Jether requesting sampling results

No Contact 2nd Letter - Ma led 5/20/37 Received letter 6/1/37

No Contact
2 rd Lotter - 1000/el 5/20/07
Met 4/ Dick Wilson 6/2/87 - Ph: 334-0464
Letter signed by Leosee B. Brokes 6/3/87-936-379/
No Contact
2 rd Letter - Mailed 5/20/87
Met 4/ Larry Hold + Bill Lines 6/2/87 Ph: 585-3818

No Centact 2nd le Her-Marked 5/20/27 Phone Contact 6/2/37 - 468-0020



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

#1,#9

REGION IX

215 Fremont Street

San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENIX-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors, as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including 6-inch diameter soil borings and 10-foot deep test pits. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

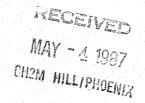
Parcel Numbers: 500-12-053 SE1/4 NW1/4 Sec. 10 T1N R1W 500-45-001 NE1/4 NW1/4 Sec. 15 T1N R1W

Signature of Owner/Oc	ccupant (all joint owners must sign)
Pauline Phetto	1-29-87
(Signature)	(Date)
Classe X/00 South	8 Sust 4-30-87
(Signafure)	(Date)
(Signature)	(Date)



AVONDALE ELEMENTARY SCHOOL DISTRICT NO. 44

235 WEST WESTERN AVENUE • AVONDALE, ARIZONA 85323 • (602) 932-0840



Superintendent DR. FRANCES Y. AMABISCA

Assistant Superintendent DR. DOUGLAS DEL BARTO

Assistant Superintendent Business Services DONALD G. DAVIS

May 30, 1987

Charles Pedri Civil Engineer USEPA 215 Fremont Street San Francisco, Ca. 94105

Dear Mr. Pedri:

We will be happy to cooperate with your testing project on School District property.

Because of the nature of the project and the safety factor with children in the play areas of the school grounds, it is requested that the testing be done sometime between June 8, and August 21, 1987.

Please schedule a date with Mr. Mike Hadley, Assistant Superintendent for buildings and grounds. He will work with you in gaining access to the property and site locations.

If you have any questions, please call.

Best regards

Dr. Douglas Del Bart

cc: Mike Hadley





April 24, 1987

W63600.FG

School District #44
Attn: Dr. Douglas Delbarto
235 W. Western Avenue
Avondale, Arizona 85323

Dear Dr. Delbarto

Subject: Permission to Access Property for Investigation

Purposes

CH2M HILL, Inc. under contract to the United States Environmental Protection Agency (EPA) is conducting an investigation in the vicinity of Phoenix-Goodyear Airport in Goodyear, Arizona. The investigation is being conducted under the Superfund Program. It is intended to determine the extent and degree of soil and ground water contamination, and to determine the feasibility of various clean-up options.

We are requesting access to the following parcels of land:

Parcel Numbers: 500-12-053 SE1/4 NW1/4 Sec. 10 T1N R1W 500-45-001 NE1/4 NW1/4 Sec. 15 T1N R1W

The investigation will require field personnel to collect and analyze soil samples from one soil boring and one test pit on each parcel of land. A small drilling rig will be used to drill a 6-inch diameter hole to a depth of approximately fifty feet. In addition, a small backhoe will dig a 10-foot deep pit which will be 10 to 15 feet long and 2 feet wide. Duration of the sampling at each parcel should be less than 2 days and the resulting hole and test pit will be immediately backfilled after sampling. The investigation is scheduled for the period June through August 1987. The EPA asks that you review and complete the enclosed form which will grant EPA and its contractors permission to enter your property for sampling purposes.

We have enclosed a self-addressed envelope with the permission form. Please review, sign, and mail this form at your earliest convenience. Because of the time schedule for this program, we ask that you call us at (602) 893-6155 if you will be unable to return the completed form by May 15, 1987, or if you have any questions.

Dr. Douglas Delbarto W63600.FG April 24, 1987 Page 2

We would be happy to schedule a meeting with you to discuss the proposed sampling location if you wish. We will also provide you with the final sampling results upon request.

If you are no longer associated with this property we would appreciate notification of this to our office at your earliest opportunity. It would be very helpful to us if you could provide information on the successor to your interests in this property. Either call us or write the information on the reverse side of the permission form and return to us.

We greatly appreciate your cooperation.

Sincerely,

Charles M. Pedu .

Charles M. Pedri Civil Engineer

PHC3/311:ts



April 24, 1987

W63600.FG

School District #44
Attn: Dr. Douglas Delbarto
235 W. Western Avenue
Avondale, Arizona 85323

Dear Dr. Delbarto

Subject: Permission to Access Property for Investigation Purposes

CH2M HILL, Inc. under contract to the United States Environmental Protection Agency (EPA) is conducting an investigation in the vicinity of Phoenix-Goodyear Airport in Goodyear, Arizona. The investigation is being conducted under the Superfund Program. It is intended to determine the extent and degree of soil and ground water contamination, and to determine the feasibility of various clean-up options.

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Dr. Douglas Delbarto W63600.FG April 24, 1987 Page 2

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If you are no longer associated with this property we would appreciate notification of this to our office at your earliest opportunity. It would be very helpful to us if you could provide information on the successor to your interests in this property. Either call us or write the information on the reverse side of the permission form and return to us.

We greatly appreciate your cooperation.

Sincerely,

Charles M. Pedri Civil Engineer

PHC3/311:ts



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION IX

215 Fremont Street San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING
THE PHOENI X-GOODYEAR AIRPORT HAZARDOUS WASTE SITE
GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors, as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including 6-inch diameter soil borings and 10-foot deep test pits. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Numbers: 500-12-053 SE1/4 NW1/4 Sec. 10 T1N R1W 500-45-001 NE1/4 NW1/4 Sec. 15 T1N R1W

Signature of Owner/Occupant (all joint owners must sign):

(Signature)	(Date)
(Signature)	(Date)
<u> 12(0. 20 204 - 15 20 20 20 20 20 2</u> 0 22	
(Signature)	(Date)



TELEPHONE (602) 264-2520

May 12, 1987

Dear Mr. Pedri -

Please furnich us with a report of the test results, at the above address. The signed form is enclosed.

Thank you,

Dozel Smul



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION IX PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENI X-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

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I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including a 6-inch diameter soil boring and a 10-foot deep test pit. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-14-236 NE1/4 SW1/4 Sec. 10 T1N R1W

Signature of Owner/Occupant (all joint owners must sign)
Jal & Marin	man \$1 198)
(Signature) Stated Cerk	(Date)
(Signature) Permanent Clerk	May 12, 1987
(Signature) Permanent Clerk	(Date)
FOR THE PRESBYTERY OF GRAND CANYON	
(Signature)	(Date)



April 24, 1987

W63600.FG

Presbytery of Grand Canyon Corp. Attn: Hazel Smith, Property Officer 1226 W. Osborn Road Phoenix, Arizona 85013

Dear Ms. Smith:

Subject: Permission to Access Property for Investigation Purposes

CH2M HILL, Inc. under contract to the United States Environmental Protection Agency (EPA) is conducting an investigation in the vicinity of Phoenix-Goodyear Airport in Goodyear, Arizona. The investigation is being conducted under the Superfund Program. It is intended to determine the extent and degree of soil and ground water contamination, and to determine the feasibility of various clean-up options.

We are requesting access to the following parcel of land:

Parcel Number: 500-14-236 NE1/4 SW1/4 Sec. 10 T1N R1W

The investigation will require field personnel to collect and analyze soil samples from one soil boring and one test pit. A small drilling rig will be used to drill a 6-inch diameter hole to a depth of approximately fifty feet. In addition, a small backhoe will dig a 10 foot deep pit which will be 10 to 15 feet long and 2 feet wide. Duration of the sampling should be less than 2 days and the resulting hole and test pit will be immediately backfilled after sampling. The investigation is scheduled for the period June through August 1987. The EPA asks that you review and complete the enclosed form which will grant EPA and its contractors permission to enter your property for sampling purposes.

We have enclosed a self-addressed envelope with the permission form. Please review, sign, and mail this form at your earliest convenience. Because of the time schedule for this program, we ask that you call us at (602) 893-6155 if you will be unable to return the completed form by May 15, 1987, or if you have any questions.

Hazel Smith W63600.FG April 24, 1987 Page 2

We would be happy to schedule a meeting with you to discuss the proposed sampling location if you wish. We will also provide you with the final sampling results upon request.

If you are no longer associated with this property we would appreciate notification of this to our office at your earliest opportunity. It would be very helpful to us if you could provide information on the successor to your interests in this property. Either call us or write the information on the reverse side of the permission form and return to us.

We greatly appreciate your cooperation.

Sincerely,

Charles M. Pedri Civil Engineer

PHC3/311:ts



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION IX

215 Fremont Street Sen Frencisco, Ce. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENI A-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including a 6-inch diameter soil boring and a 10-foot deep test pit. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-14-236 NE1/4 SW1/4 Sec. 10 T1N R1W

(Signature) (Date)
(Signature) (Date)

Signature of Owner/Occupant (all joint owners must sign):



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

216 Fremont Street

San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENIX-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

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Parcel Number: 500-04-019E NE1/4 SE1/4 Sec. 9 TIN R1W

Signature of Owner/Occupant	(all joint owners must sign):
John of Rathell	May 1,1987
(Si/gnature)	(Date)
Jun. In	
(Signature)	(Date)
(Signature)	(Date)



May 20, 1987

W63600.FG

Litchfield Road 26 LTD 6710 E. Camelback Road Scottsdale, Arizona 85251

Gentlemen:

Permission to Access Property for Investigation Subject:

Purposes

Parcel No. 500-04-019E NE1/4 SE1/4 Sec. 9 TlN R1W

On April 24, 1987 we sent a certified letter to you requesting access to the indicated property for investigative purposes. We have received the signed receipt from the Post Office indicating you have received this letter but, as of yet, we have not received the signed permission form. We have not been able to find a way of contacting you except through the mail.

We would appreciate learning the status of the permission form. Also, we would appreciate knowing the name and phone number of a person we could contact prior to entering your property. Please call us at (602) 893-6155 or if you prefer, contact us by return mail at the address indicated on this letter.

Thank you for your cooperation.

Sincerely,

Charles M. Pedri Civil Engineer

C.M. Redu

PHC3/319:ts



April 24, 1987

W63600.FG

Litchfield Road 26 LTD 6710 E. Camelback Road Scottsdale, Arizona 85251

Gentlemen:

Subject: Permission to Access Property for Investigation Purposes

CH2M HILL, Inc. under contract to the United States Environmental Protection Agency (EPA) is conducting an investigation in the vicinity of Phoenix-Goodyear Airport in Goodyear, Arizona. The investigation is being conducted under the Superfund Program. It is intended to determine the extent and degree of soil and ground water contamination, and to determine the feasibility of various clean-up options.

We are requesting access to the following parcel of land:

Parcel Number: 500-04-019E NE1/4 SE1/4 Sec. 9 TlN R1W

The investigation will require field personnel to collect and analyze soil samples from one soil boring and one test pit. A small drilling rig will be used to drill a 6-inch diameter hole to a depth of approximately fifty feet. In addition, a small backhoe will dig a 10 foot deep pit which will be 10 to 15 feet long and 2 feet wide. Duration of the sampling should be less than 2 days and the resulting hole and test pit will be immediately backfilled after sampling. The investigation is scheduled for the period June through August 1987. The EPA asks that you review and complete the enclosed form which will grant EPA and its contractors permission to enter your property for sampling purposes.

We have enclosed a self-addressed envelope with the permission form. Please review, sign, and mail this form at your earliest convenience. Because of the time schedule for this program, we ask that you call us at (602) 893-6155 if you will be unable to return the completed form by May 15, 1987, or if you have any questions.

Litchfield Road 26 LTD W63600.FG April 24, 1987 Page 2

We would be happy to schedule a meeting with you to discuss the proposed sampling location if you wish. We will also provide you with the final sampling results upon request.

If you are no longer associated with this property we would appreciate notification of this to our office at your earliest opportunity. It would be very helpful to us if you could provide information on the successor to your interests in this property. Either call us or write the information on the reverse side of the permission form and return to us.

We greatly appreciate your cooperation.

Sincerely,

Charles M. Pedri Civil Engineer

PHC3/311:ts



(Signature)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION IX

215 Fremont Street San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENI -GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

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Parcel Number: 500-04-019E NE1/4 SE1/4 Sec. 9 T1N R1W

Signature of Owner/Occupant (all joint owners must sign):

(Signature) (Date)

(Date)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX 215 Fremont Street

San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENI A-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

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I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including a 6-inch diameter soil boring and a 10-foot deep test pit. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling. DAMAGE TO CROPS WILL

Parcel Number: 500-04-018. SW1/4 Sec. 9 TIN RIW DETHE SESPONS BILLITY 作 云科

Parcer Number: 500-04-0160 SW	11/4 Sec. 3 IIN KIW
Signature of Owner/Occupant (all joint owners must sign):
Duce 12 Thock	6/3/87
(Signature)	(Date)
the senting who she	4/8/87
(Signature) 3 de 20 20 Mill Octobe	(Date)
(Signature)	(Date)



June 5, 1987

W63600.FG

Beck 232 LTD Attn: Richard Wilson 2700 N. Third Street Suite 2008 Phoenix, Arizona 85004

Gentlemen:

Subject: Permission to Access Property for

Investigation Purposes

Parcel No. 500-04-018J SW1/4 Sec. 9 T1N R1W

Enclosed is a self-addressed envelope with a permission form granting EPA and its contractors permission to enter your property for sampling purposes. At your request, we have obtained the permission of the lessee, Mr. Bruce Brooks.

The investigation is scheduled to begin on June 15, 1987. Please review, sign, and mail this form by June 12. If you have any questions, please do not hesitate to contact us at (602)893-6155.

We greatly appreciate your cooperation.

Sincerely,

Charles M. Pedri Civil Engineer enclosure

PHC3/328:ts



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

215 Fremont Street San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENI &-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including a 6-inch diameter soil boring and a 10-foot deep test pit. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-04-018J SW1/4 Sec. 9 T1N R1W

Signature of Owner/Occupant (all joint owners must sign):

(Signature)

(Date)

(Signature)

(Date)



May 20, 1987

W63600.FG

Beck 232 LTD 2700 N. Third Street Suite 2008 Phoenix, Arizona 85004

Gentlemen:

Subject: Permission to Access Property for Investigation

Purposes

Parcel No. 500-04-018J SW1/4 Sec. 9 TIN RIW

On April 24, 1987 we sent a certified letter to you requesting access to the indicated property for investigative purposes. We have received the signed receipt from the Post Office indicating you have received this letter but, as of yet, we have not received the signed permission form. We have not been able to find a way of contacting you except through the mail.

We would appreciate learning the status of the permission form. Also, we would appreciate knowing the name and phone number of a person we could contact prior to entering your property. Please call us at (602) 893-6155 or if you prefer, contact us by return mail at the address indicated on this letter.

Thank you for your cooperation.

Sincerely,

Charles M. Pedri Civil Engineer

C.M. Redu

PHC3/319:ts



April 24, 1987

W63600.FG

Beck 232 LTD 2700 N. Third Street Suite 2008 Phoenix, Arizona 85004

Gentlemen:

Subject: Permission to Access Property for Investigation Purposes

CH2M HILL, Inc. under contract to the United States Environmental Protection Agency (EPA) is conducting an investigation in the vicinity of Phoenix-Goodyear Airport in Goodyear, Arizona. The investigation is being conducted under the Superfund Program. It is intended to determine the extent and degree of soil and ground water contamination, and to determine the feasibility of various clean-up options.

We are requesting access to the following parcel of land:

Parcel Number: 500-04-018J SW1/4 Sec. 9 TlN RlW

The investigation will require field personnel to collect and analyze soil samples from one soil boring and one test pit. A small drilling rig will be used to drill a 6-inch diameter hole to a depth of approximately fifty feet. In addition, a small backhoe will dig a 10 foot deep pit which will be 10 to 15 feet long and 2 feet wide. Duration of the sampling should be less than 2 days and the resulting hole and test pit will be immediately backfilled after sampling. The investigation is scheduled for the period June through The EPA asks that you review and complete the August 1987. enclosed form which will grant EPA and its contractors permission to enter your property for sampling purposes.

We have enclosed a self-addressed envelope with the permission form. Please review, sign, and mail this form at your earliest convenience. Because of the time schedule for this program, we ask that you call us at (602) 893-6155 if you will be unable to return the completed form by May 15, 1987, or if you have any questions.

Beck 232 LTD W63600.FG April 24, 1987 Page 2

We would be happy to schedule a meeting with you to discuss the proposed sampling location if you wish. We will also provide you with the final sampling results upon request.

If you are no longer associated with this property we would appreciate notification of this to our office at your earliest opportunity. It would be very helpful to us if you could provide information on the successor to your interests in this property. Either call us or write the information on the reverse side of the permission form and return to us.

We greatly appreciate your cooperation.

Sincerely,

Charles M. Pedri Civil Engineer

C.M. Kedu

PHC3/311:ts



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

215 Fremont Street San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENI A-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including a 6-inch diameter soil boring and a 10-foot deep test pit. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-04-018J SW1/4 Sec. 9 T1N R1W

Signature of Owner/Occupant (all joint owners must sign):

(Signature) (Date)

(Signature) (Date)

ELLIS, BAKER, CLARK & PORTER, P.C.

ATTORNEYS AT LAW

R. J. ELLid OF COUNSEL

WILLIAM D. BAKER' ICHARD W. CLARK ROBERT S. PORTER

> PAUL R. ORME GARY A. DRUMMOND** CARLOS D. RONSTADT NEIL W. THOMSON JOHN R. POLITAN*** COLLEEN L. FRENCH

*ALSO ADMITTED IN CALIFORNIA **ALSO ADMITTED IN ILLINOIS "ALSO ADMITTED IN INDIANA AND FLORIDA

SUITE 200 4444 NORTH 32ND STREET PHOENIX, ARIZONA 85018 (602) 956-8878 TELECOPIER (602) 224-9663

MAILING ADDRESS P.O. BOX 16450 PHOENIX, ARIZONA 85011

June 25, 1987

RECEIVED JUN 26 1987 CH2M HILLIPHOENIX

Charles M. Pedri CH2M Hill 9830 S. 51st Street Suite 130 Phoenix, Arizona 85044

> RE: License and Addendum allowing CH2M Hill to test property owned by Goodyear Air Park, Inc.

Dear Mr. Pedri:

Enclosed please find the License Agreement for Access to property near the Phoenix-Goodyear Airport ("License"), together with an Addendum to the License as drafted by Stephen S. Case who represents Ronald and Jewel Wood, former owners of and current tenants on the subject property.

If you review the License and Addendum, you will see that my client, Goodyear Air Park, Inc., has executed both documents. The Woods have executed the License Agreement, and will execute the Addendum when it is presented to them in accordance with Mr. Case's instructions in his letter of June 17, 1987. (copy enclosed)

I wish to re-emphasize the conditions placed on delivery the of these documents to you, as set forth in the second paragraph of Mr. Case's letter to me dated June 17, 1987. The execution of the License and Addendum by both my client, and by Mr. and Mrs. Wood is contingent upon execution of the License and Addendum by all parties, including the EPA and CH2M Hill. This means that the document must be signed by both EPA and CH2M Hill before the EPA or CH2M Hill will be allowed to enter upon the subject property in order to conduct its Testing Program as defined in the License. Please note that whoever signs these documents for the Environmental Protection Agency should be a "Line Officer", meaning that that individual has the power to bind the federal government to the terms and conditions set forth therein.

Charles Pedri June 25, 1987 Page 2 of 2

When the License and Addendum has been executed by the Environmental Protection Agency and by CH2M Hill, please return the original executed documents to me and I will forward copies on to Mr. Case.

As always in these matters, Mr. Case and I are available to address any concerns about these documents that you might have. We appreciate your cooperation in this matter.

Sincerely,

Carlos D. Ronstadt

For the Firm

Enclosure

cc: Bill Lince

Stephen S. Case

8C22/29/dla

LAW OFFICES

CASE, BENNETT & MARTIN
6740 EAST CAMELBACK ROAD, SUITE 100
SCOTTSDALE, ARIZONA 85251
(602) 990-1133

SUN CITY OFFICE: IOO32 WEST BELL ROAD, SUITE IO2 SUN CITY, ARIZONA 8535I (602) 972-9193

WILLIAM F. BENNETT STEPHEN S. CASE DOUGLAS G. MARTIN JOHN C. MASON EMILY G. BURNS TRACY A. BATEMAN

OF COUNSEL!

June 17, 1987

Carlos D. Ronstadt Ellis, Baker, Clark & Porter, P.C. 4444 North 32nd Street - Suite 200 Phoenix, Arizona 85018

Dear Mr. Ronstadt:

Enclosed is a License Agreement executed by Ron Wood, together with an unexecuted Addendum to which both Ron Wood and Mr. Pedri of CH2M Hill, Inc. have agreed. Please execute the Addendum and forward the License and the Addendum both to Mr. Pedri for his review and signature. I have tentatively discussed with Mr. Pedri the sites for testing, and he has indicated that the northeast quarter of the southwest quarter of Section 17, which is presently vacant of crops, might very well be an acceptable test site. Accordingly, we do not anticipate a problem with respect to agreement on a test site between his office and Mr. Wood. Mr. Pedri has also agreed to supply copies of the reports to us, as well as to you as required by Paragraph 9.

When you forward the License Agreement to Mr. Pedri, please make it clear in your letter that its execution by Mr. Wood was contingent upon the execution of the Addendum by all parties, and that he may obtain Mr. Wood's execution on the Addendum when he visits with Mr. Wood to discuss test sites. Please contact me if you have any questions or comments.

ery truly yours

Stephen S. Case For the Firm

SSC:lej Enclosure

cc: Mr. Ron Wood w/encls.

Mr. Charles M. Pedri

LICENSE AGREEMENT FOR ACCESS TO PROPERTY NEAR THE PHOENIX-GOODYEAR AIRPORT

License Agreement entered into this ______ day of _____, 1987, between Goodyear Air Park, Inc., an Indiana corporation ("Owner"); Ronald R. Wood and Jewel A. Wood, husband and wife ("Tenants"); and the United States Environmental Protection Agency, its contractors, employees, agents and other designated representatives, including CH2M Hill, Inc., and state and local agencies and their officials (collectively "Licensee").

I. RECITALS

1. Owner holds a beneficial interest to a tract of land ("Subject Property") situated in the County of Maricopa, State of Arizona, described as follows:

Parcel No. 500-07-015; East Half (E^{1}_{2}), Southwest Quarter (SW $^{1}_{4}$) of Section 17, Township 1 North, Range 1 West.

Owner leases Subject Property to Tenants for the purpose of farming.

- 2. Licensee desires access to Subject Property to conduct soil sampling as part of an overall investigation of several properties in the vicinity of Goodyear, Arizona, to determine the extent and degree of soil and groundwater contamination, if any, and to determine the feasibility of various clean-up options if any contamination is discovered and if needed.
- 3. Owner, subject to the consent of Tenants, is willing to grant Licensee reasonable access to Subject Property in order to undertake such investigations, monitoring, surveying, and testing on the Subject Property, including the drilling of a six inch (6") diameter soil boring to a depth of approximately fifty (50) feet and the excavation of a ten (10) foot deep pit which will be ten (10) to fifteen (15) feet long and two (2) feet wide (referred to herein as the "Testing Program"). The actual Testing Program should require less than two (2) days to complete.
- 4. Subject Property was acquired by Owner from Tenants in August of 1986. Owner acquired the Subject Property without knowledge or reason to know of the existence or releases of any hazardous substances on, in, or under Subject Property, or

of any activities or uses by previous owners of the Subject Property for disposal of hazardous substances; further, Owner and Tenants continue to believe that no such contamination currently exists.

5. If any hazardous substances currently exist on, in, or under Subject Property, Owner and Tenants believe that third parties solely caused such disposal or releases of such hazardous substances. Owners and Tenants desire to know the identity of such third parties to enforce their rights under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 should Licensee discover any such contamination on the Subject Property.

II. LICENSE

- 1. Owner hereby conveys to Licensee, and Licensee hereby accepts from Owner the privilege to enter on Subject Property to conduct its Testing Program. This License is subject to the following terms and conditions, and the Licensee, by signing this License, agrees to be bound by all such terms and conditions as set forth below.
- 2. This License is contingent upon the express written consent of Tenants, said consent to be evidenced by Tenants' execution of this document. Without the consent of Tenants, this License shall be void, and the Licensee shall have no right to enter upon Subject Property.
- 3. This License shall begin on the day, month and year first set out above and shall end on the earlier of:
 - a) August 31, 1987, or
 - b) After completion of the Testing Program.
- 4. The disturbance to soil and vegetation, including crops on Subject Property, shall be limited to the acts described under the Testing Program. Any disturbed soil, land or vegetation will be restored to the same condition as existed prior to such disturbance, and all bore holes and test pits will be filled and regraded.
- 5. Licensee agrees that it will compensate Owner and/or Tenants for any damage or disturbance to soil and vegetation, including crops. In the event that Licensee damages only Tenants' property, Licensee agrees to deal directly with Tenants to determine the amount of such damages, and further to promptly pay reasonable compensation for such damages to any injured party.

- 6. The Licensee shall exercise his privilege here-under at his own risk, and irrespective of any negligence of the Owner or Tenants, the Licensee shall indemnify and hold harmless the Owner and Tenants from all liability to any person or expenses to person or property resulting from, arising out of, or in any way connected with the occupation or use of the Subject Property by the Licensee.
- 7. In the event that Licensee employs contractors, agents or representatives who are not Federal or State employees, Licensee's contractors, agents, or representatives shall at all and Tenants from any claims which may be made against the Owner or Tenants as a result of the Licensee's use of Subject Property. Licensee shall provide to Owner, upon request, a copy of such insurance policies or a Certificate of Insurance from the company and effect.
- 8. In the event that any legal action is brought to enforce the terms of this License, all parties agree that Arizona law shall be controlling with respect to the interpretation or construction of the License.
- 9. Owner shall be supplied by Licensee, at no cost or expense to Owner, copies of any and all reports, analysis or recommendations, and all data collected, generated, or acquired on Subject Property as the result of the Testing Program, or as a result of the testing, chemical analysis or measurement of well waters pumped from wells located on the Subject Property.

IN WITNESS HEREOF, the undersigned parties have executed this License on the date first set out above.

OWNER:

Goodyear Air Park, Inc., an Indiana corporation

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its ysa-

TENANT:

Ronald R. Wood

Jewel A. Wood

LICENSEE:	CONSENTED TO AND ACCEPTED BY LICENSEE'S ENGINEER:
United States Environmental Protection Agency	CH2M HILL, INC.
By Its	By Its
8LC1/03/dla	

ADDENDUM TO LICENSE AGREEMENT

FOR

ACCESS TO PROPERTY NEAR THE PHOENIX/GOODYEAR AIRPORT

into between Goodyear Air Park, In ("Owner"); Ronald R. Wood and Jewe ("Tenants"); and the United States its contractors, employees, agents	el A. Wood, husband and wife Environmental Protection Agency, and other designated repre- inc., and state and local agencies
As an additional requirement Tenants shall receive all of the r Owner under Paragraph 9 of said Li Further, Licensee shall not enter tests or water testing without pri agreement may be oral with respect property upon which the test will	cense, at no cost to Tenants. upon the property, conduct soil or agreement with Tenants, which to the precise sites on the
DATED this day of	, 1987.
OWNER:	TENANT:
Goodyear Air Park, Inc., an Indiana Corporation	Ronald R. Wood
By Jone Its die Se	Jewel A. Wood

LICENSEE:	CONSENTED TO AND ACCEPTED BY LICENSEE'S ENGINEER:
United States Environmental Protection Agency	CH2M HILL, INC.
어로 그렇게 이렇게 함께 보다. 이 생물이 이렇게 하고 있다. 다음 특히 - 1. 이렇게 하셨다. 나이 아름, 그런 나는 다음 그리 말을	
By Its	Its

ELLIS, BAKER, CLARK & PORTER, P.C.

ATTORNEYS AT LAW

R. J. ELLIS OF COUNSEL

WILLIAM D. BAKER* RICHARD W. CLARK ROBERT S. PORTER

PAUL R. ORME GARY A. DRUMMOND" CARLOS D. RONSTADT NEIL W. THOMSON JOHN R. POLITAN"" COLLEEN L. FRENCH

*ALSO ADMITTED IN CALIFORNIA

"ALSO ADMITTED IN ILLINOIS "ALSO ADMITTED IN INDIANA AND FLORIDA

SUITE 200 4444 NORTH 32ND STREET PHOENIX, ARIZONA 85018 (602) 956-8878 TELECOPIER (602) 224-9663

MAILING ADDRESS P.O. BOX 16450 PHOENIX, ARIZONA 85011

RECEIVED

JUN 1 5 1987

CH2M HILLIPHOENIX

June 12, 1987

HAND DELIVERED

Stephen S. Case Case & Bennett 6740 East Camelback Suite 100 Scottsdale, Arizona 85251-2089

> EPA Study on 327 acres of property ("Property") formerly owned by Ronald R. Wood and Jewel A. Wood.

Dear Mr. Case:

Enclosed please find documents, including an original License Agreement, pertaining a hazardous substance investigation being conducted by EPA in the vicinity of Goodyear. If executed by all parties, the License Agreement would allow the EPA and its engineer, CH2M Hill, Inc., on property currently leased by Ronald and Jewel Wood. I'm asking you to review this License Agreement and if it is satisfactory, please have the Woods sign as Tenants.

As you know, the Woods lease the farmland formerly from my client, Goodyear Air Park, by them ("Goodyear"), under that certain Lease dated August 19, 1986 ("Lease"). As set forth in paragraph 4 of the Lease, Goodyear agreed that the Woods would peacefully hold and enjoy their leasehold.

Recently, the Environmental Protection Agency and its engineer, CH2M Hill, Inc., contacted Goodyear and asked it for permission to enter upon the Property for purposes of drilling a test bore hole and excavating a test pit. EPA currently believes the groundwater beneath the Goodyear airport may be Its testing program is designed to determine the contaminated. source and extent of such contamination, if any.

Stephen S. Case June 12, 1987 Page 2 of 2

Under paragraph 4 of the Lease, Goodyear cannot merely grant to EPA a license to enter upon the subject property for purposes of testing. Consequently, the enclosed License Agreement provides that it will be effective only if consented to by the Woods as Tenants. I am asking that you review the enclosed License. If the License is satisfactory, please have the Woods sign this document on page 3. Then, return it to me for forwarding to CH2M Hill.

I know that CH2M Hill is anxious to start work on this program. Thus, your prompt response will be appreciated by all concerned.

Sincerely,

Carlos D. Ronstadt

For the Firm

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8C22/16/dla

Enclosure

cc: Bill Lince

Charles M. Pedri (CH2M Hill, Inc.)

LICENSE AGREEMENT FOR ACCESS TO PROPERTY NEAR THE PHOENIX-GOODYEAR AIRPORT

License Agreement entered into this day of , 1987, between Goodyear Air Park, Inc., an Indiana corporation ("Owner"); Ronald R. Wood and Jewel A. Wood, husband and wife ("Tenants"); and the United States Environmental Protection Agency, its contractors, employees, agents and other designated representatives, including CH2M Hill, Inc., and state and local agencies and their officials (collectively "Licensee").

I. RECITALS

1. Owner holds a beneficial interest to a tract of land ("Subject Property") situated in the County of Maricopa, State of Arizona, described as follows:

Parcel No. 500-07-015; East Half ($E^{1/2}$), Southwest Quarter (SW $\frac{1}{4}$) of Section 17, Township 1 North, Range 1 West.

Owner leases Subject Property to Tenants for the purpose of farming.

- 2. Licensee desires access to Subject Property to conduct soil sampling as part of an overall investigation of several properties in the vicinity of Goodyear, Arizona, to determine the extent and degree of soil and groundwater contamination, if any, and to determine the feasibility of various clean-up options if any contamination is discovered and if needed.
- 3. Owner, subject to the consent of Tenants, is willing to grant Licensee reasonable access to Subject Property in order to undertake such investigations, monitoring, surveying, and testing on the Subject Property, including the drilling of a six inch (6") diameter soil boring to a depth of approximately fifty (50) feet and the excavation of a ten (10) foot deep pit which will be ten (10) to fifteen (15) feet long and two (2) feet wide (referred to herein as the "Testing Program"). The actual Testing Program should require less than two (2) days to complete.
- 4. Subject Property was acquired by Owner from Tenants in August of 1986. Owner acquired the Subject Property without knowledge or reason to know of the existence or releases of any hazardous substances on, in, or under Subject Property, or

of any activities or uses by previous owners of the Subject Property for disposal of hazardous substances; further, Owner and Tenants continue to believe that no such contamination currently exists.

5. If any hazardous substances currently exist on, in, or under Subject Property, Owner and Tenants believe that third parties solely caused such disposal or releases of such hazardous substances. Owners and Tenants desire to know the identity of such third parties to enforce their rights under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 should Licensee discover any such contamination on the Subject Property.

II. LICENSE

- 1. Owner hereby conveys to Licensee, and Licensee hereby accepts from Owner the privilege to enter on Subject Property to conduct its Testing Program. This License is subject to the following terms and conditions, and the Licensee, by signing this License, agrees to be bound by all such terms and conditions as set forth below.
- 2. This License is contingent upon the express written consent of Tenants, said consent to be evidenced by Tenants' execution of this document. Without the consent of Tenants, this License shall be void, and the Licensee shall have no right to enter upon Subject Property.
- 3. This License shall begin on the day, month and year first set out above and shall end on the earlier of:
 - a) August 31, 1987, or
 - b) After completion of the Testing Program.
- 4. The disturbance to soil and vegetation, including crops on Subject Property, shall be limited to the acts described under the Testing Program. Any disturbed soil, land or vegetation will be restored to the same condition as existed prior to such disturbance, and all bore holes and test pits will be filled and regraded.
- 5. Licensee agrees that it will compensate Owner and/or Tenants for any damage or disturbance to soil and vegetation, including crops. In the event that Licensee damages only Tenants' property, Licensee agrees to deal directly with Tenants to determine the amount of such damages, and further to promptly pay reasonable compensation for such damages to any injured party.

- 6. The Licensee shall exercise his privilege here-under at his own risk, and irrespective of any negligence of the Owner or Tenants, the Licensee shall indemnify and hold harmless the Owner and Tenants from all liability to any person or entities whatsoever for damages, costs, losses, injuries, or expenses to person or property resulting from, arising out of, or in any way connected with the occupation or use of the Subject Property by the Licensee.
- 7. In the event that Licensee employs contractors, agents or representatives who are not Federal or State employees, Licensee's contractors, agents, or representatives shall at all times maintain public liability insurance to protect the Owner and Tenants from any claims which may be made against the Owner or Tenants as a result of the Licensee's use of Subject Property. Licensee shall provide to Owner, upon request, a copy of such insurance policies or a Certificate of Insurance from the company issuing such insurance certifying that the same is in full force and effect.
- 8. In the event that any legal action is brought to enforce the terms of this License, all parties agree that Arizona law shall be controlling with respect to the interpretation or construction of the License.
- 9. Owner shall be supplied by Licensee, at no cost or expense to Owner, copies of any and all reports, analysis or recommendations, and all data collected, generated, or acquired on Subject Property as the result of the Testing Program, or as a result of the testing, chemical analysis or measurement of well waters pumped from wells located on the Subject Property.

IN WITNESS HEREOF, the undersigned parties have executed this License on the date first set out above.

OWNER:	TENANT:	
Goodyear Air Park, Inc., an Indiana corporation	Ronald R. Wood	
In I		1
By June 1ts ASS+ Sec	Jewel A. Wood	

LICENSEE: United States Environmental	CONSENTED TO AND ACCEPTED BY LICENSEE'S ENGINEER:
Protection Agency	CH2M HILL, INC.
${f By}$. 하는 10 분 시간 10 분 10
Îts	By Its
8T.C1/03/d1a	



May 20, 1987

W63600.FG

The VAL Group Attn: Larry Hall, Broker 23150 N. Pima Road Scottsdale, Arizona 85255

Dear Mr. Hall:

Subject: Permission to Access Property for Investigation

Purposes

Parcel No. 500-07-015 E1/2 SW1/4 Sec. 17 T1N R1W

On April 24, 1987 we sent a certified letter to you requesting access to the indicated property for investigative purposes. We have received the signed receipt from the Post Office indicating you have received this letter but, as of yet, we have not received the signed permission form. We have not been able to find a way of contacting you except through the mail.

We would appreciate learning the status of the permission form. Also, we would appreciate knowing the name and phone number of a person we could contact prior to entering your property. Please call us at (602) 893-6155 or if you prefer, contact us by return mail at the address indicated on this letter.

Thank you for your cooperation.

Sincerely,

C.M. Pedu'

Charles M. Pedri Civil Engineer

PHC3/319:ts





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGIONIX

215 Fremont Street

San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENI A-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including a 6-inch diameter soil boring and a 10-foot deep test pit. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-07-022D S1/2 Sec. 20 T1N R1W

Signature of Owner/Occupant	(all joint owners must sign)
(Signature) BENROSS CORPORATION PROFIT-SHARING PLAN & TRUST, G.	(Date)
Ben-Horin, Trustee	
(Signature)	(Date)
(Signature)	(Date)





June 5, 1987

Mr. Charles M. Pedri Civil Engineer CH2M HILL Post Office Box 50129 Phoenix, Az. 85076-0129

Dear Mr. Pedri:

Per your conversation with Mr. Ben-Horin, enclosed herewith please find the executed permission form re your work for the EPA.

While the Benross Corporation Profit-Sharing Plan owns the property, it is under lease to A Tumbling T Ranches. Accordingly, I would suggest that the person you should contact before entering the property would be Ron Rayner (932-1834) to whom I am sending a copy of this letter.

Very truly yours,

JJR/fk

Enclosure

Mr. F. Ronald Rayner cc: Post Office Box 1509 Goodyear, Az. 85338



May 20, 1987

W63600.FG

A Tumbling T Ranches P. O. Box 1509 Goodyear, Arizona 85338

Gentlemen:

Subject: Permission to Access Property for Investigation

Purposes

Parcel No. 500-07-022D S1/2 Sec. 20 T1N R1W

On April 24, 1987 we sent a certified letter to you requesting access to the indicated property for investigative purposes. We have received the signed receipt from the Post Office indicating you have received this letter but, as of yet, we have not received the signed permission form. We have not been able to find a way of contacting you except through the mail.

We would appreciate learning the status of the permission Also, we would appreciate knowing the name and phone number of a person we could contact prior to entering your property. Please call us at (602) 893-6155 or if you prefer, contact us by return mail at the address indicated on this letter.

Thank you for your cooperation.

Sincerely,

Charles M. Pedri Civil Engineer

CM Pel

PHC3/319:ts



April 24, 1987

W63600.FG

A Tumbling T Ranches P. O. Box 1509 Goodyear Arizona 85338

Gentlemen:

Subject: Permission to Access Property for Investigation Purposes

CH2M HILL, Inc. under contract to the United States Environmental Protection Agency (EPA) is conducting an investigation in the vicinity of Phoenix-Goodyear Airport in Goodyear, Arizona. The investigation is being conducted under the Superfund Program. It is intended to determine the extent and degree of soil and ground water contamination, and to determine the feasibility of various clean-up options.

We are requesting access to the following parcel of land:

Parcel Number: 500-07-022D S1/2 Sec. 20 T1N R1W

The investigation will require field personnel to collect and analyze soil samples from one soil boring and one test pit. A small drilling rig will be used to drill a 6-inch diameter hole to a depth of approximately fifty feet. In addition, a small backhoe will dig a 10 foot deep pit which will be 10 to 15 feet long and 2 feet wide. Duration of the sampling should be less than 2 days and the resulting hole and test pit will be immediately backfilled after sampling. The investigation is scheduled for the period June through August 1987. The EPA asks that you review and complete the enclosed form which will grant EPA and its contractors permission to enter your property for sampling purposes.

We have enclosed a self-addressed envelope with the permission form. Please review, sign, and mail this form at your earliest convenience. Because of the time schedule for this program, we ask that you call us at (602) 893-6155 if you will be unable to return the completed form by May 15, 1987, or if you have any questions.

A Tumbling T Ranches W63600.FG April 24, 1987 Page 2

We would be happy to schedule a meeting with you to discuss the proposed sampling location if you wish. We will also provide you with the final sampling results upon request.

If you are no longer associated with this property we would appreciate notification of this to our office at your earliest opportunity. It would be very helpful to us if you could provide information on the successor to your interests in this property. Either call us or write the information on the reverse side of the permission form and return to us.

We greatly appreciate your cooperation.

Sincerely,

Charles M. Pedri Civil Engineer

C.M. Pel

PHC3/311:ts



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION IX

215 Fremont Street San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENI .-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including a 6-inch diameter soil boring and a 10-foot deep test pit. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-07-022D S1/2 Sec. 20 T1N R1W

Signature of Owner/Occupant (all joint owners must sign):

(Signature)

(Date)

(Signature)

(Date)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGIONIX

215 Fremont Street San Francisco, Ca. 94105 MAY 15 1987 CH2M MILLIPHO

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENIX-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including 6-inch diameter soil borings and 10-foot deep test pits. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-07-003D NE1/4 SE1/4 Sec. 16 T1N R1W

Signature of Owner/Occupant	t (all joint owners must sign)
Wallen	5/14/87
(Signature)	(Date)
(Signature)	(Date)
(Signature)	(Date)



April 30, 1987

W63600.FG

Loral Systems
Attn: Randy Clark, Mail Stop 4212
P. O. Box 85
Litchfield Park, Arizona 85340

Dear Mr. Clark:

Subject: Permission to Access Property for Investigation Purposes

CH2M HILL, Inc. under contract to the United States Environmental Protection Agency (EPA) is conducting an investigation in the vicinity of Phoenix-Goodyear Airport in Goodyear, Arizona. The investigation is being conducted under the Superfund Program. It is intended to determine the extent and degree of soil and ground water contamination, and to determine the feasibility of various clean-up options.

We are requesting access to the following parcel of land:

Parcel Number: 500-07-003D NE1/4 SE1/4 Sec. 16 T1N R1W

The investigation will require field personnel to collect and analyze soil samples from one soil boring and one test pit at each of two locations on your property. A small drilling rig will be used to drill a 6-inch diameter hole to a depth of approximately fifty feet. In addition, a small backhoe will dig a 10 foot deep pit which will be 10 to 15 feet long and 2 feet wide. Duration of the sampling should be less than 2 days and the resulting holes and test pits will be immediately backfilled after sampling. The investigation is scheduled for the period June through August 1987. The EPA asks that you review and complete the enclosed form which will grant EPA and its contractors permission to enter your property for sampling purposes.

We have enclosed a self-addressed envelope with the permission form. Please review, sign, and mail this form at your earliest convenience. Because of the time schedule for

Loral Systems W63600.FG April 30, 1987 Page 2

this program, we ask that you call us at (602) 893-6155 if you will be unable to return the completed form by May 15, 1987, or if you have any questions.

We would be happy to schedule a meeting with you to discuss the proposed sampling location if you wish. We will also provide you with the final sampling results upon request.

If you are no longer associated with this property we would appreciate notification of this to our office at your earliest opportunity. It would be very helpful to us if you could provide information on the successor to your interests in this property. Either call us or write the information on the reverse side of the permission form and return to us.

We greatly appreciate your cooperation.

Sincerely,

C. M. Fedre Charles M. Pedri Civil Engineer

PHC3/311:ts



(Signature)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION IX

216 Fremont Street San Frencisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENIX-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including 6-inch diameter soil borings and 10-foot deep test pits. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Parcel Number: 500-07-003D NE1/4 SE1/4 Sec. 16 T1N R1W
Signature of Owner/Occupant (all joint owners must sign):

(Signature)
(Date)

(Date)



April 24, 1987

W63600.FG

The VAL Group Attn: Larry Hall, Broker 23150 N. Pima Road Scottsdale, Arizona 85255

Dear Mr. Hall:

Subject: Permission to Access Property for Investigation Purposes

CH2M HILL, Inc. under contract to the United States Environmental Protection Agency (EPA) is conducting an investigation in the vicinity of Phoenix-Goodyear Airport in Goodyear, Arizona. The investigation is being conducted under the Superfund Program. It is intended to determine the extent and degree of soil and ground water contamination, and to determine the feasibility of various clean-up options.

We are requesting access to the following parcel of land:

Parcel Number: 500-07-015 E1/2 SW1/4 Sec. 17 T1N R1W

The investigation will require field personnel to collect and analyze soil samples from one soil boring and one test pit. A small drilling rig will be used to drill a 6-inch diameter hole to a depth of approximately fifty feet. In addition, a small backhoe will dig a 10 foot deep pit which will be 10 to 15 feet long and 2 feet wide. Duration of the sampling should be less than 2 days and the resulting hole and test pit will be immediately backfilled after sampling. The investigation is scheduled for the period June through August 1987. The EPA asks that you review and complete the enclosed form which will grant EPA and its contractors permission to enter your property for sampling purposes.

We have enclosed a self-addressed envelope with the permission form. Please review, sign, and mail this form at your earliest convenience. Because of the time schedule for this program, we ask that you call us at (602) 893-6155 if you will be unable to return the completed form by May 15, 1987, or if you have any questions.

The VAL Group W63600.FG April 24, 1987 Page 2

We would be happy to schedule a meeting with you to discuss the proposed sampling location if you wish. We will also provide you with the final sampling results upon request.

If you are no longer associated with this property we would appreciate notification of this to our office at your earliest opportunity. It would be very helpful to us if you could provide information on the successor to your interests in this property. Either call us or write the information on the reverse side of the permission form and return to us.

We greatly appreciate your cooperation.

Sincerely,

C.M. Kedu:

Charles M. Pedri Civil Engineer

PHC3/311:ts



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX 215 Fremont Street San Francisco, Ca. 94105

PERMISSION FOR ACCESS TO PROPERTIES CONCERNING THE PHOENIX-GOODYEAR AIRPORT HAZARDOUS WASTE SITE GOODYEAR, ARIZONA

I, the undersigned, am the owner, his representative, or otherwise control the real property at the location described below. Representatives of the United States Environmental Protection Agency (EPA) have informed me that elevated levels of trichloroethylene (TCE), perchloroethylene (PCE) and other hydrocarbons may be found in soils and ground water at this location, and that they may be injurious to the health of persons residing on or nearby this property. I also understand that further efforts are needed to characterize the source of this contamination and define its extent in this vicinity.

I hereby give permission to EPA and EPA's contractors and subcontractors', as well as their employees, agents and other designated representatives (who may include state and local agencies and their officials), to have access to my property and to undertake such investigations, monitoring, surveying, and testing that may be necessary. Activities will be limited to soil sampling and analysis during the months of June through August 1987.

I understand that the work described above may involve, among other things, some disturbance of soil and vegetation on my property, including a 6-inch diameter soil boring and a 10-foot deep test pit. I also understand that any disturbed vegetation will be restored to substantially the same condition as existed prior to such disturbance; that all holes and test pits will be filled and regraded; and that my property will be returned to substantially the same condition upon completion of the sampling.

Signature of Owner/Occupant (all joint owners must sign):

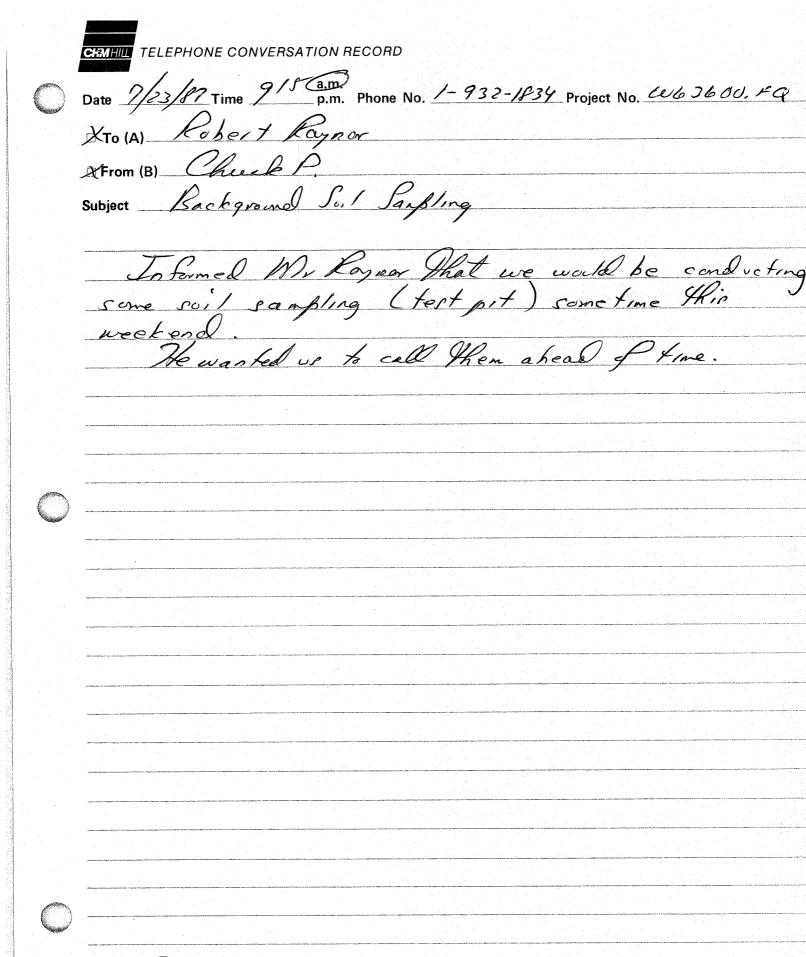
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(Signature) (Date)

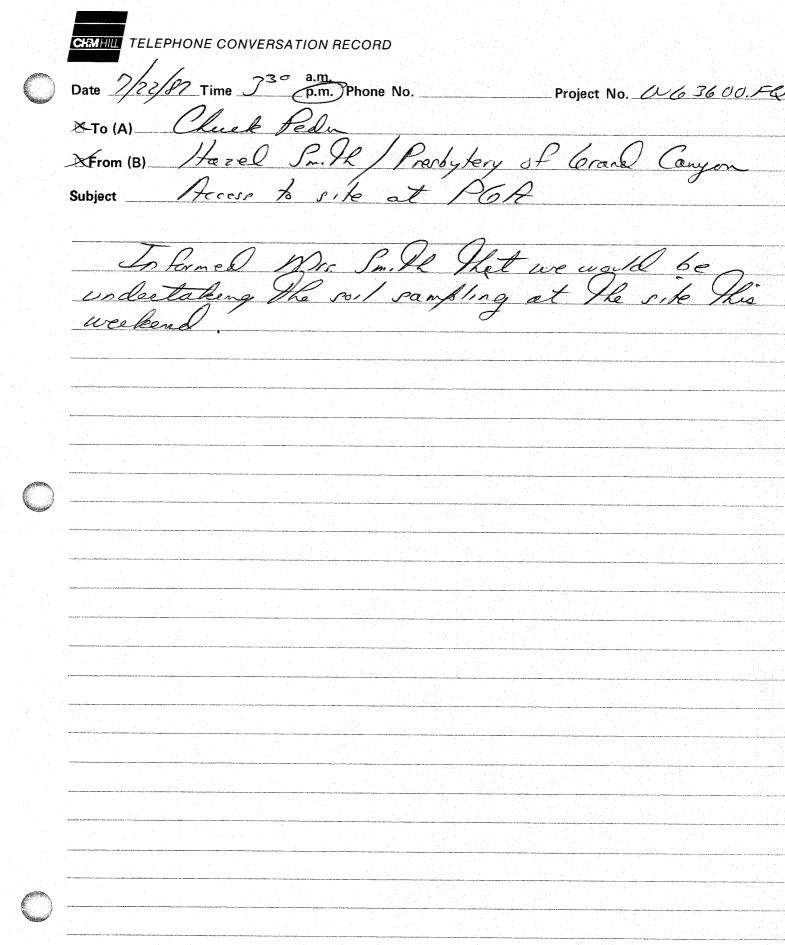
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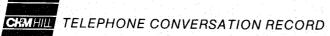




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Date 4/30/87 Time // p.m. Phone No. RPD Project No. W63600 FC
XTO (A) Jess Brown JRDD
XFrom (B) Bob Conklin / Chuck Podi
Subject Background Souls Shily - PER Recess
Asked Jens hav much flex, b. 1, by bu, 14 in to side selection? - Very few sites available in residential tindustrial areas - mere flex, ble in Agricultural areas
selection?
- Very few sites available in residential tindustrial
areas - mere flex, ble in Agricultural areas
No. of the control of
- Trying to get sanfle of different soil types or shown on figure
I have on rigine
- Anywhere on parcel (especially smaller ones) is ok
What happens if owner refuser?
What happens if owner refuser? - Provide further explanation of need for access- try to convince owner of imfortance. If all else fails, probably should not bring in EPA-not time effective, -fall book & regroup.
try to convince owner of importance. It all else
tails, probably should not bring in EPR-not
I me estective, fall back & regioup.
Who meets w/ owner?
- Try + get approval for access immediately +
then meet wower a few days before sandling
to determine specific site - it necessary set
up schedule for meeting w/ Jess & owner.
Jess will send side location figures.



LARGE FORMAT SCAN

OCI to OS3 SCAN THIS PAGE

Exemption 9: Well Locations

Exemption 9: Well Locations

Exemption 9: Well Locations

CH2M HILL INDEX FORM FOR REM IV FILE CLOSEOUT

(Please print legibly or type.)

If it is more convenient, when indexing the file, complete those sections that will remain the same through the majority of the site file (nos. 1 through 8). Then photocopy this form onto colored paper (to make it more obvious in the file) and complete nos. 9 and 10 as necessary.

	Team Members Name JOHN LUCERO	Office Location RDD				
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2	Site Manager's Name JOHN LUCERO	Office Location RDD				
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7 Site Name	PHOENIX-GOODYEAR AIRPORT AZ					
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9 Section/ Subsection	Description (limited to 100 characters/spaces) GROUNDWATER FILES - FOLDER 2	<u>4</u> of 66				
o	(These comments will not become part of the indexing information.)					
	SOME DOCUMENTS REFERENCE REM/FIT CONTRACT NO.68-01-6692					
Comments	WORK ASSIGNMENT NO. 073-9L19.0; MASTER PROJECT NO. W69219					
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